

Old Colony Planning Council



Lee Hartmann
President

70 School Street
Brockton, MA 02301-4097

Pasquale Ciaramella
Executive Director

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June 3, 2013

Mr. Michael Thoreson, Commissioner
City of Brockton Department of Public Works
45 School Street
Brockton, MA. 02301

RE: North Quincy Street at North Cary Street Intersection Traffic Study

Dear Commissioner Thoreson,

Per your request, through the Old Colony Planning Council's Local Highway Transportation Planning Technical Assistance Program, OCPC has completed a traffic study of the intersection of North Quincy Street at North Cary Street. Traffic data (traffic volumes, travel speeds, and vehicle classifications) was collected on all approaches to the intersection along with peak hour intersection turning movements counts during the week of April 1st to April 5th of 2013. The intersection of North Quincy Street at Loring Street is located approximately 120 feet to the north of the intersection of North Quincy Street at North Cary Street. Loring Street was included in the data collection and existing conditions analysis, while conceptual analysis of alternatives included only the North Cary Street intersection. Engineering discretion will need to be applied during the design phase to determine if Loring Street needs to be included in any future improvements.

Analysis performed on this intersection using the collected data include: a traffic signal warrant (2009 MUTCD) analysis; an all-way stop sign control warrant (2009 MUTCD) analysis; existing morning and afternoon peak hour levels of service; and conceptual Year 2018 peak hour levels of service for no-build, all-way (3-way) stop sign control, traffic signal control, and roundabout control scenarios. Additionally, a crash rate for the intersection was calculated using crash data for the intersection obtained from the Massachusetts Department of Transportation (MassDOT) for the years 2008 through 2010. The results of this analysis along with the data from the traffic counts and intersection turning movement counts are enclosed.

Table 1 summarizes the traffic data collected on the approaches to the intersection, while Table 2 summarizes the existing levels of service for the morning (7:15-8:15 AM) and the afternoon (4:00 – 5:00 PM) peak hours, along with conceptual Year 2018 levels of service for no-build, all-way stop sign build, traffic signal build, and roundabout build scenarios.

Table 1: Automatic Traffic Recorder (ATR) Mainline Traffic Data, 2011

Date	Location	ADT	Posted Speed Limit	85th Percentile Speed	10 MPH Pace Speed	% Heavy Vehicles
4/2/13	North Quincy Street, North of Loring Street					
	Northbound	7,730	30 MPH	42 MPH	34 - 43 MPH	8.40%
	Southbound	7,369	30 MPH	42 MPH	34 - 43 MPH	8.00%
	Total	15,099	30 MPH	42 MPH	34 - 43 MPH	8.20%
4/2/13	North Quincy Street, Southeast of North Cary Street					
	Northwestbound	6,859	30 MPH	41 MPH	33 - 42 MPH	4.20%
	Southeastbound	5,735	30 MPH	44 MPH	36 - 45 MPH	9.60%
	Total	12,594	30 MPH	43 MPH	35 - 44 MPH	6.70%
4/2/13	North Cary Street, south of North Quincy Street					
	Northbound	1,392	30 MPH	31 MPH	23 - 32 MPH	5.10%
	Southbound	2,203	30 MPH	35 MPH	27 - 36 MPH	6.00%
	Total	3,595	30 MPH	34 MPH	26 - 35 MPH	5.70%
4/2/13	Loring Street, east of North Quincy Street					
	Eastbound	56	30 MPH	21 MPH	11 - 20 MPH	8.50%
	Westbound	36	30 MPH	18 MPH	5 - 14 MPH	14.50%
	Total	92	30 MPH	20 MPH	7 - 16 MPH	11.00%

Table 2: Existing Levels of Service and Conceptual 2018 Levels of Service Analysis for Alternatives

Approach	<u>2013 Existing¹</u>		<u>2018 No Build¹</u>		<u>2018 All-Way Stop</u>		<u>2018 Signalized</u>		<u>2018 Roundabout</u>	
	AM Peak	PM peak	AM Peak	PM peak	AM Peak	PM peak	AM Peak	PM peak	AM Peak	PM peak
North Quincy Street, Southbound	--	--	--	--	D	E	C	C	A	C
North Quincy Street, Northwest-bound	--	--	--	--	F	E	B	B	D	B
North Cary Street, Northbound	F	F	F	F	B	B	A	A	A	B
Intersection LOS	--	--	--	--	F	E	B	C	C	C

1 - LOS given for critical approach (STOP controlled approach) only for TWSC intersections

The intersection currently has a failing level of service on the stop-sign controlled North Cary Street approach, and without any improvements will continue to have a failing level of service through Year 2018 (based on an annual growth rate of 1%). Conceptual level of service analysis indicates that operations could be substantially improved with the construction of either traffic signals or a roundabout at the intersection.

A review of MassDOT crash data indicates that there were 12 reported crashes occurring at or immediately adjacent to the intersection from 2008 through 2010. Based on this crash data, the intersection has a crash rate of 0.73 crashes per million entering vehicles (MEV), which is about 26 percent above the regional MassDOT District 5 average of 0.58/MEV for un-signalized intersections.

Based on the traffic data collection and analysis performed by the Old Colony Planning Council, improving the intersection with either traffic signals or a roundabout is warranted according to 2009 MUTCD Warrants for Traffic Signals and could reduce delay and improve safety at the

intersection. It was noted during field observation that the existing intersection geometry and surrounding land use is constricted, and right-of-way may be a significant issue with improving the intersection with traffic signals or a roundabout. A Road Safety Audit (a formal safety performance examination of the intersection by an independent, multidisciplinary team) at this location may be beneficial in identifying relatively low-cost safety improvements that could be implemented in a shorter amount of time than construction of a traffic signals or a roundabout could. Please contact Old Colony Planning Council if you are interested in scheduling and conducting a Road Safety Audit at this location.

If you have any questions, or if any additional information is needed, please contact Bill McNulty at 508.583.1833 x207 or wmcnulty@ocpcrpa.org.

Sincerely,



Charles Kilmer, AICP
Assistant Director / Transportation Program Manager

Cc:

The Honorable Linda M. Balzotti, Mayor, City of Brockton
Chief Emanuel Gomes, Brockton Police Department
Captain Steven Williamson, Brockton Police Department (Brockton Traffic Commission)
Chief Richard Francis, Brockton Fire Department (Brockton Traffic Commission)
Ms. Michelle DuBois, City of Brockton Ward 6 Councilor
Ms. Pamela Haznar, P.E., MassDOT District 5
Mr. Paul Maloney, P.E., FHWA
Mr. Ethan Britland, MassDOT

Enclosures:

ATR Data for North Quincy Street, North Cary Street, and Loring Street
Intersection Turning Movement Counts
Existing Levels of Service Analysis
MassDOT Crash Rate Calculation Worksheet
Results of All-Way Stop Control and Traffic Signal Warrant Analysis
Conceptual Levels of Service for Year 2019 No-Build, All-Way Stop Control Build; Traffic Signal Build, and Roundabout Build Scenarios

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

Start Time	01-Apr-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	34	56	27	53	*	*	*	*	*	*	*	*	30	54
01:00	*	*	22	25	18	26	*	*	*	*	*	*	*	*	20	26
02:00	*	*	11	16	12	19	*	*	*	*	*	*	*	*	12	18
03:00	*	*	19	13	16	10	*	*	*	*	*	*	*	*	18	12
04:00	*	*	79	16	81	21	*	*	*	*	*	*	*	*	80	18
05:00	*	*	317	79	333	83	*	*	*	*	*	*	*	*	325	81
06:00	*	*	635	238	639	209	*	*	*	*	*	*	*	*	637	224
07:00	*	*	814	464	788	430	*	*	*	*	*	*	*	*	801	447
08:00	*	*	639	406	639	420	*	*	*	*	*	*	*	*	639	413
09:00	*	*	382	357	381	347	*	*	*	*	*	*	*	*	382	352
10:00	*	*	353	310	367	327	*	*	*	*	*	*	*	*	360	318
11:00	*	*	372	342	363	315	*	*	*	*	*	*	*	*	368	328
12:00 PM	*	*	371	329	420	391	*	*	*	*	*	*	*	*	396	360
01:00	*	*	409	376	383	377	*	*	*	*	*	*	*	*	396	376
02:00	*	*	473	502	530	526	*	*	*	*	*	*	*	*	502	514
03:00	*	*	491	628	490	623	*	*	*	*	*	*	*	*	490	626
04:00	*	*	495	733	498	771	*	*	*	*	*	*	*	*	496	752
05:00	*	*	452	754	521	704	*	*	*	*	*	*	*	*	486	729
06:00	*	*	364	576	401	594	*	*	*	*	*	*	*	*	382	585
07:00	*	*	293	372	275	360	*	*	*	*	*	*	*	*	284	366
08:00	*	*	252	263	247	313	*	*	*	*	*	*	*	*	250	288
09:00	*	*	187	231	201	249	*	*	*	*	*	*	*	*	194	240
10:00	*	*	105	141	119	151	*	*	*	*	*	*	*	*	112	146
11:00	*	*	69	100	70	92	*	*	*	*	*	*	*	*	70	96
Total	0	0	7638	7327	7819	7411	0	0	0	0	0	0	0	0	7730	7369
Day	0		14965		15230		0		0		0		0		15099	
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	814	464	788	430	-	-	-	-	-	-	-	-	801	447
PM Peak	-	-	16:00	17:00	14:00	16:00	-	-	-	-	-	-	-	-	14:00	16:00
Vol.	-	-	495	754	530	771	-	-	-	-	-	-	-	-	502	752

Comb. Total	0	14965	15230	0	0	0	0	15099
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

Start Time	02-Apr-13		NB		SB		Combined		03-Apr-Wed	NB		SB		Combined	
	Tue		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			11	85	15	84	26	169		3	119	18	92	21	211
12:15			5	106	13	69	18	175		7	113	13	104	20	217
12:30			12	101	17	96	29	197		10	82	13	105	23	187
12:45			6	79	11	80	17	159		7	106	9	90	16	196
01:00			7	100	5	89	12	189		4	97	2	84	6	181
01:15			4	85	10	106	14	191		5	79	9	93	14	172
01:30			4	121	6	88	10	209		4	111	6	90	10	201
01:45			7	103	4	93	11	196		5	96	9	110	14	206
02:00			2	102	4	124	6	226		4	134	7	136	11	270
02:15			4	139	3	128	7	267		2	150	10	134	12	284
02:30			5	121	5	126	10	247		3	123	2	122	5	245
02:45			0	111	4	124	4	235		3	123	0	134	3	257
03:00			2	127	2	115	4	242		4	127	1	117	5	244
03:15			3	119	5	161	8	280		1	126	2	170	3	296
03:30			7	142	4	169	11	311		5	117	5	153	10	270
03:45			7	103	2	183	9	286		6	120	2	183	8	303
04:00			8	128	1	168	9	296		12	117	0	211	12	328
04:15			20	115	3	203	23	318		12	126	6	204	18	330
04:30			17	141	4	168	21	309		22	144	7	172	29	316
04:45			34	111	8	194	42	305		35	111	8	184	43	295
05:00			57	133	8	191	65	324		62	140	11	178	73	318
05:15			77	121	21	176	98	297		68	137	19	166	87	303
05:30			70	96	17	204	87	300		99	115	18	202	117	317
05:45			113	102	33	183	146	285		104	129	35	158	139	287
06:00			116	93	38	172	154	265		103	111	19	184	122	295
06:15			167	93	48	157	215	250		150	92	42	151	192	243
06:30			174	89	60	127	234	216		196	91	60	132	256	223
06:45			178	89	92	120	270	209		190	107	88	127	278	234
07:00			198	87	93	107	291	194		197	82	66	102	263	184
07:15			205	73	118	97	323	170		204	74	124	76	328	150
07:30			237	66	134	77	371	143		218	61	123	100	341	161
07:45			174	67	119	91	293	158		169	58	117	82	286	140
08:00			199	78	85	82	284	160		165	66	88	73	253	139
08:15			149	66	97	59	246	125		161	71	88	90	249	161
08:30			161	66	106	58	267	124		155	52	126	81	281	133
08:45			130	42	118	64	248	106		158	58	118	69	276	127
09:00			91	63	109	55	200	118		106	55	81	67	187	122
09:15			88	47	86	77	174	124		93	56	90	70	183	126
09:30			102	42	76	60	178	102		90	50	94	60	184	110
09:45			101	35	86	39	187	74		92	40	82	52	174	92
10:00			76	33	61	37	137	70		93	40	70	44	163	84
10:15			84	33	87	34	171	67		85	38	102	38	187	76
10:30			92	25	86	34	178	59		91	25	60	29	151	54
10:45			101	14	76	36	177	50		98	16	95	40	193	56
11:00			110	14	82	27	192	41		85	13	67	23	152	36
11:15			86	20	74	35	160	55		101	19	88	24	189	43
11:30			85	14	88	22	173	36		82	24	83	29	165	53
11:45			91	21	98	16	189	37		95	14	77	16	172	30
Total			3677	3961	2322	5005	5999	8966		3664	4155	2260	5151	5924	9306
Day Total			7638		7327		14965			7819		7411		15230	
% Total			24.6%	26.5%	15.5%	33.4%				24.1%	27.3%	14.8%	33.8%		
Peak	-		06:45	04:30	07:00	04:45	07:00	04:15	-	06:45	04:30	07:15	04:00	07:00	03:45
Vol.	-		818	506	464	765	1278	1256	-	809	532	452	771	1218	1277
P.H.F.			0.863	0.897	0.866	0.938	0.861	0.969		0.928	0.887	0.911	0.914	0.893	0.967

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Page 1

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Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

Start Time	01-Apr-13 Mon	02-Apr-13 Tue	03-Apr-13 Wed	04-Apr-13 Thu	05-Apr-13 Fri	06-Apr-13 Sat	07-Apr-13 Sun	Week Average
12:00 AM	*	90	80	*	*	*	*	85
01:00	*	47	44	*	*	*	*	46
02:00	*	27	31	*	*	*	*	29
03:00	*	32	26	*	*	*	*	29
04:00	*	95	102	*	*	*	*	98
05:00	*	396	416	*	*	*	*	406
06:00	*	873	848	*	*	*	*	860
07:00	*	1278	1218	*	*	*	*	1248
08:00	*	1045	1059	*	*	*	*	1052
09:00	*	739	728	*	*	*	*	734
10:00	*	663	694	*	*	*	*	678
11:00	*	714	678	*	*	*	*	696
12:00 PM	*	700	811	*	*	*	*	756
01:00	*	785	760	*	*	*	*	772
02:00	*	975	1056	*	*	*	*	1016
03:00	*	1119	1113	*	*	*	*	1116
04:00	*	1228	1269	*	*	*	*	1248
05:00	*	1206	1225	*	*	*	*	1216
06:00	*	940	995	*	*	*	*	968
07:00	*	665	635	*	*	*	*	650
08:00	*	515	560	*	*	*	*	538
09:00	*	418	450	*	*	*	*	434
10:00	*	246	270	*	*	*	*	258
11:00	*	169	162	*	*	*	*	166
Total	0	14965	15230	0	0	0	0	15099
Percentage	0.0%	99.1%	100.9%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	1278	1218	-	-	-	-	1248
PM Peak	-	16:00	16:00	-	-	-	-	16:00
Vol.	-	1228	1269	-	-	-	-	1248

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Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/1															
3	0	0	1	1	3	9	14	4	2	0	0	0	0	0	34
01:00	0	0	1	0	4	7	8	2	0	0	0	0	0	0	22
02:00	0	0	1	1	1	2	5	1	0	0	0	0	0	0	11
03:00	1	1	1	0	2	7	4	1	2	0	0	0	0	0	19
04:00	0	0	0	1	7	14	36	14	7	0	0	0	0	0	79
05:00	5	1	0	2	23	139	117	30	0	0	0	0	0	0	317
06:00	24	12	18	26	106	258	165	25	1	0	0	0	0	0	635
07:00	64	7	13	36	164	353	154	21	2	0	0	0	0	0	814
08:00	41	6	9	34	144	249	136	19	1	0	0	0	0	0	639
09:00	19	4	3	7	57	148	120	23	1	0	0	0	0	0	382
10:00	18	7	6	15	92	132	69	11	3	0	0	0	0	0	353
11:00	41	4	11	13	86	152	59	4	2	0	0	0	0	0	372
12 PM	29	10	10	11	79	161	66	5	0	0	0	0	0	0	371
13:00	41	4	11	17	103	153	60	18	2	0	0	0	0	0	409
14:00	43	6	12	17	130	192	67	4	2	0	0	0	0	0	473
15:00	66	12	15	19	112	183	75	6	2	1	0	0	0	0	491
16:00	54	11	14	26	110	174	89	17	0	0	0	0	0	0	495
17:00	58	8	11	21	69	156	113	14	2	0	0	0	0	0	452
18:00	23	5	8	14	58	152	93	10	1	0	0	0	0	0	364
19:00	27	2	8	21	68	124	36	7	0	0	0	0	0	0	293
20:00	17	5	9	10	61	98	44	7	1	0	0	0	0	0	252
21:00	7	3	5	10	27	92	41	2	0	0	0	0	0	0	187
22:00	4	3	3	3	16	35	33	6	2	0	0	0	0	0	105
23:00	1	3	2	1	3	19	31	9	0	0	0	0	0	0	69
Total	583	114	172	306	1525	3009	1635	260	33	1	0	0	0	0	7638

Daily

15th Percentile :	19 MPH
50th Percentile :	36 MPH
85th Percentile :	42 MPH
95th Percentile :	45 MPH
Mean Speed(Average) :	34 MPH
10 MPH Pace Speed :	34-43 MPH
Number in Pace :	4305
Percent in Pace :	56.4%
Number of Vehicles > 30 MPH :	6463
Percent of Vehicles > 30 MPH :	84.6%

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Page 2

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13															
3	2	1	0	1	1	12	8	2	0	0	0	0	0	0	27
01:00	0	0	1	1	0	8	6	2	0	0	0	0	0	0	18
02:00	0	0	0	0	1	4	5	1	1	0	0	0	0	0	12
03:00	0	0	0	1	2	5	6	2	0	0	0	0	0	0	16
04:00	0	0	0	1	3	17	35	18	6	1	0	0	0	0	81
05:00	8	2	3	5	25	117	137	32	2	2	0	0	0	0	333
06:00	27	6	16	31	118	270	141	28	2	0	0	0	0	0	639
07:00	61	0	15	14	157	356	172	13	0	0	0	0	0	0	788
08:00	56	2	16	15	138	261	131	16	4	0	0	0	0	0	639
09:00	21	4	8	15	56	161	104	12	0	0	0	0	0	0	381
10:00	30	3	10	23	92	116	81	12	0	0	0	0	0	0	367
11:00	12	6	6	11	59	156	92	17	4	0	0	0	0	0	363
12 PM	25	6	7	25	92	169	77	17	1	1	0	0	0	0	420
13:00	23	3	7	14	77	171	76	12	0	0	0	0	0	0	383
14:00	44	18	18	20	132	221	65	9	3	0	0	0	0	0	530
15:00	48	7	18	28	113	184	77	12	3	0	0	0	0	0	490
16:00	72	4	13	22	66	195	105	20	1	0	0	0	0	0	498
17:00	63	8	12	14	85	208	110	18	3	0	0	0	0	0	521
18:00	37	6	12	15	53	172	92	12	2	0	0	0	0	0	401
19:00	20	2	5	9	48	117	63	8	3	0	0	0	0	0	275
20:00	18	9	6	16	54	90	45	7	1	1	0	0	0	0	247
21:00	6	3	3	10	38	73	50	16	2	0	0	0	0	0	201
22:00	6	1	5	4	18	52	28	5	0	0	0	0	0	0	119
23:00	3	1	0	1	3	26	25	10	1	0	0	0	0	0	70
Total	582	92	181	296	1431	3161	1731	301	39	5	0	0	0	0	7819

Daily

15th Percentile : 21 MPH
50th Percentile : 36 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Mean Speed(Average) : 34 MPH
10 MPH Pace Speed : 34-43 MPH
Number in Pace : 4479
Percent in Pace : 57.3%
Number of Vehicles > 30 MPH : 6668
Percent of Vehicles > 30 MPH : 85.3%

Grand Total	1165	206	353	602	2956	6170	3366	561	72	6	0	0	0	0	15457
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Overall

15th Percentile : 20 MPH
50th Percentile : 36 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Mean Speed(Average) : 34 MPH
10 MPH Pace Speed : 34-43 MPH
Number in Pace : 8784
Percent in Pace : 56.8%
Number of Vehicles > 30 MPH : 13131
Percent of Vehicles > 30 MPH : 85.0%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/1															
3	0	1	0	0	7	25	19	3	1	0	0	0	0	0	56
01:00	0	0	0	1	4	8	6	5	1	0	0	0	0	0	25
02:00	0	0	0	0	2	6	6	2	0	0	0	0	0	0	16
03:00	3	1	0	0	2	1	5	1	0	0	0	0	0	0	13
04:00	0	1	0	0	0	9	2	2	1	1	0	0	0	0	16
05:00	6	4	0	1	8	23	24	8	5	0	0	0	0	0	79
06:00	25	11	1	2	39	88	60	11	1	0	0	0	0	0	238
07:00	40	8	7	15	53	224	102	10	5	0	0	0	0	0	464
08:00	37	10	4	6	53	148	131	14	3	0	0	0	0	0	406
09:00	19	9	3	6	61	148	99	12	0	0	0	0	0	0	357
10:00	15	9	1	8	57	117	82	19	2	0	0	0	0	0	310
11:00	28	8	10	17	62	138	64	13	2	0	0	0	0	0	342
12 PM	22	5	1	11	56	140	78	16	0	0	0	0	0	0	329
13:00	27	10	2	18	55	140	103	17	4	0	0	0	0	0	376
14:00	38	13	9	17	82	212	119	11	1	0	0	0	0	0	502
15:00	49	11	6	28	134	283	106	10	1	0	0	0	0	0	628
16:00	55	13	11	23	149	329	135	17	0	1	0	0	0	0	733
17:00	54	11	6	10	116	358	180	17	1	1	0	0	0	0	754
18:00	32	11	6	24	96	257	129	21	0	0	0	0	0	0	576
19:00	28	12	6	24	73	163	64	2	0	0	0	0	0	0	372
20:00	14	7	2	14	49	132	41	2	2	0	0	0	0	0	263
21:00	17	4	3	2	32	110	51	9	3	0	0	0	0	0	231
22:00	5	4	0	2	15	65	42	8	0	0	0	0	0	0	141
23:00	1	1	0	0	2	44	41	10	1	0	0	0	0	0	100
Total	515	164	78	229	1207	3168	1689	240	34	3	0	0	0	0	7327

Daily

15th Percentile : 20 MPH
50th Percentile : 36 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Mean Speed(Average) : 34 MPH
10 MPH Pace Speed : 34-43 MPH
Number in Pace : 4370
Percent in Pace : 59.6%
Number of Vehicles > 30 MPH : 6341
Percent of Vehicles > 30 MPH : 86.5%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/1															
3	2	1	0	3	7	20	14	4	2	0	0	0	0	0	53
01:00	0	0	0	1	5	8	10	1	1	0	0	0	0	0	26
02:00	3	0	0	1	2	3	6	4	0	0	0	0	0	0	19
03:00	0	0	0	0	2	5	2	1	0	0	0	0	0	0	10
04:00	1	0	0	0	4	3	11	1	1	0	0	0	0	0	21
05:00	5	1	0	6	8	30	18	10	5	0	0	0	0	0	83
06:00	14	8	6	5	40	75	43	17	1	0	0	0	0	0	209
07:00	41	8	8	24	57	160	101	25	6	0	0	0	0	0	430
08:00	33	6	2	1	46	180	124	26	2	0	0	0	0	0	420
09:00	15	4	4	9	51	139	106	17	2	0	0	0	0	0	347
10:00	24	4	3	9	47	136	76	27	1	0	0	0	0	0	327
11:00	21	5	2	5	62	139	66	14	0	1	0	0	0	0	315
12 PM	20	8	2	9	51	163	119	18	1	0	0	0	0	0	391
13:00	19	5	4	14	40	160	115	18	1	0	1	0	0	0	377
14:00	48	14	9	11	74	260	97	11	1	1	0	0	0	0	526
15:00	37	11	9	39	126	274	114	12	1	0	0	0	0	0	623
16:00	50	10	6	29	151	403	109	12	1	0	0	0	0	0	771
17:00	55	11	2	32	80	340	171	11	1	1	0	0	0	0	704
18:00	33	13	6	14	118	267	120	16	7	0	0	0	0	0	594
19:00	19	6	3	6	40	222	56	7	1	0	0	0	0	0	360
20:00	17	4	1	10	73	139	62	7	0	0	0	0	0	0	313
21:00	14	4	1	5	35	118	60	11	0	1	0	0	0	0	249
22:00	8	3	0	2	21	68	36	8	4	1	0	0	0	0	151
23:00	7	0	0	0	12	39	26	7	1	0	0	0	0	0	92
Total	486	126	68	235	1152	3351	1662	285	40	5	1	0	0	0	7411

Daily

15th Percentile : 25 MPH
50th Percentile : 37 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Mean Speed(Average) : 35 MPH
10 MPH Pace Speed : 34-43 MPH
Number in Pace : 4533
Percent in Pace : 61.2%
Number of Vehicles > 30 MPH : 6496
Percent of Vehicles > 30 MPH : 87.7%

Grand Total	1001	290	146	464	2359	6519	3351	525	74	8	1	0	0	0	14738
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Overall

15th Percentile : 23 MPH
50th Percentile : 37 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Mean Speed(Average) : 34 MPH
10 MPH Pace Speed : 34-43 MPH
Number in Pace : 8902
Percent in Pace : 60.4%
Number of Vehicles > 30 MPH : 12837
Percent of Vehicles > 30 MPH : 87.1%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Page 5

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/1															
3	0	1	1	1	10	34	33	7	3	0	0	0	0	0	90
01:00	0	0	1	1	8	15	14	7	1	0	0	0	0	0	47
02:00	0	0	1	1	3	8	11	3	0	0	0	0	0	0	27
03:00	4	2	1	0	4	8	9	2	2	0	0	0	0	0	32
04:00	0	1	0	1	7	23	38	16	8	1	0	0	0	0	95
05:00	11	5	0	3	31	162	141	38	5	0	0	0	0	0	396
06:00	49	23	19	28	145	346	225	36	2	0	0	0	0	0	873
07:00	104	15	20	51	217	577	256	31	7	0	0	0	0	0	1278
08:00	78	16	13	40	197	397	267	33	4	0	0	0	0	0	1045
09:00	38	13	6	13	118	296	219	35	1	0	0	0	0	0	739
10:00	33	16	7	23	149	249	151	30	5	0	0	0	0	0	663
11:00	69	12	21	30	148	290	123	17	4	0	0	0	0	0	714
12 PM	51	15	11	22	135	301	144	21	0	0	0	0	0	0	700
13:00	68	14	13	35	158	293	163	35	6	0	0	0	0	0	785
14:00	81	19	21	34	212	404	186	15	3	0	0	0	0	0	975
15:00	115	23	21	47	246	466	181	16	3	1	0	0	0	0	1119
16:00	109	24	25	49	259	503	224	34	0	1	0	0	0	0	1228
17:00	112	19	17	31	185	514	293	31	3	1	0	0	0	0	1206
18:00	55	16	14	38	154	409	222	31	1	0	0	0	0	0	940
19:00	55	14	14	45	141	287	100	9	0	0	0	0	0	0	665
20:00	31	12	11	24	110	230	85	9	3	0	0	0	0	0	515
21:00	24	7	8	12	59	202	92	11	3	0	0	0	0	0	418
22:00	9	7	3	5	31	100	75	14	2	0	0	0	0	0	246
23:00	2	4	2	1	5	63	72	19	1	0	0	0	0	0	169
Total	1098	278	250	535	2732	6177	3324	500	67	4	0	0	0	0	14965

Daily

15th Percentile :	20 MPH
50th Percentile :	36 MPH
85th Percentile :	42 MPH
95th Percentile :	45 MPH
Mean Speed(Average) :	34 MPH
10 MPH Pace Speed :	34-43 MPH
Number in Pace :	8674
Percent in Pace :	58.0%
Number of Vehicles > 30 MPH :	12804
Percent of Vehicles > 30 MPH :	85.6%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Page 6

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/1															
3	4	2	0	4	8	32	22	6	2	0	0	0	0	0	80
01:00	0	0	1	2	5	16	16	3	1	0	0	0	0	0	44
02:00	3	0	0	1	3	7	11	5	1	0	0	0	0	0	31
03:00	0	0	0	1	4	10	8	3	0	0	0	0	0	0	26
04:00	1	0	0	1	7	20	46	19	7	1	0	0	0	0	102
05:00	13	3	3	11	33	147	155	42	7	2	0	0	0	0	416
06:00	41	14	22	36	158	345	184	45	3	0	0	0	0	0	848
07:00	102	8	23	38	214	516	273	38	6	0	0	0	0	0	1218
08:00	89	8	18	16	184	441	255	42	6	0	0	0	0	0	1059
09:00	36	8	12	24	107	300	210	29	2	0	0	0	0	0	728
10:00	54	7	13	32	139	252	157	39	1	0	0	0	0	0	694
11:00	33	11	8	16	121	295	158	31	4	1	0	0	0	0	678
12 PM	45	14	9	34	143	332	196	35	2	1	0	0	0	0	811
13:00	42	8	11	28	117	331	191	30	1	0	1	0	0	0	760
14:00	92	32	27	31	206	481	162	20	4	1	0	0	0	0	1056
15:00	85	18	27	67	239	458	191	24	4	0	0	0	0	0	1113
16:00	122	14	19	51	217	598	214	32	2	0	0	0	0	0	1269
17:00	118	19	14	46	165	548	281	29	4	1	0	0	0	0	1225
18:00	70	19	18	29	171	439	212	28	9	0	0	0	0	0	995
19:00	39	8	8	15	88	339	119	15	4	0	0	0	0	0	635
20:00	35	13	7	26	127	229	107	14	1	1	0	0	0	0	560
21:00	20	7	4	15	73	191	110	27	2	1	0	0	0	0	450
22:00	14	4	5	6	39	120	64	13	4	1	0	0	0	0	270
23:00	10	1	0	1	15	65	51	17	2	0	0	0	0	0	162
Total	1068	218	249	531	2583	6512	3393	586	79	10	1	0	0	0	15230

Daily

15th Percentile : 23 MPH
50th Percentile : 36 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Mean Speed(Average) : 34 MPH
10 MPH Pace Speed : 34-43 MPH
Number in Pace : 9011
Percent in Pace : 59.2%
Number of Vehicles > 30 MPH : 13164
Percent of Vehicles > 30 MPH : 86.4%

Grand Total	2166	496	499	1066	5315	12689	6717	1086	146	14	1	0	0	0	30195
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Overall

15th Percentile : 21 MPH
50th Percentile : 36 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Mean Speed(Average) : 34 MPH
10 MPH Pace Speed : 34-43 MPH
Number in Pace : 17685
Percent in Pace : 58.6%
Number of Vehicles > 30 MPH : 25968
Percent of Vehicles > 30 MPH : 86.0%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Page 1

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/1															
3	0	24	7	0	3	0	0	0	0	0	0	0	0	34	3
01:00	0	16	5	1	0	0	0	0	0	0	0	0	0	22	1
02:00	0	10	1	0	0	0	0	0	0	0	0	0	0	11	0
03:00	0	13	3	0	3	0	0	0	0	0	0	0	0	19	3
04:00	0	42	25	0	12	0	0	0	0	0	0	0	0	79	12
05:00	1	159	105	0	48	2	0	0	2	0	0	0	0	317	52
06:00	0	383	182	1	62	3	0	2	0	0	0	0	0	633	68
07:00	2	505	224	4	67	6	0	1	2	0	0	0	0	811	80
08:00	0	401	178	9	48	2	0	1	0	0	0	0	0	639	60
09:00	2	261	83	4	29	0	0	0	1	0	0	0	0	380	34
10:00	1	243	76	2	27	0	0	0	2	0	0	0	0	351	31
11:00	0	258	88	2	20	2	0	0	0	0	0	0	0	370	24
12 PM	0	273	70	2	22	1	0	0	1	0	0	0	0	369	26
13:00	1	294	81	3	24	3	0	1	1	0	0	0	0	408	32
14:00	1	339	109	1	20	2	0	0	0	0	0	0	0	472	23
15:00	1	346	96	2	42	2	0	0	1	0	0	0	0	490	47
16:00	3	344	113	0	30	3	0	1	0	0	0	0	0	494	34
17:00	1	317	100	0	25	3	0	2	2	0	0	0	0	450	32
18:00	1	263	72	2	24	0	0	0	0	0	0	0	0	362	26
19:00	2	197	77	2	11	3	0	1	0	0	0	0	0	293	17
20:00	0	189	49	1	9	0	0	0	1	0	0	0	0	249	11
21:00	1	129	48	1	7	0	0	1	0	0	0	0	0	187	9
22:00	0	83	18	0	3	0	0	0	0	0	0	0	0	104	3
23:00	0	48	17	0	4	0	0	0	0	0	0	0	0	69	4
Total	17	5137	1827	37	540	32	0	10	13	0	0	0	0	7613	632
Percent	0.2%	67.5%	24.0%	0.5%	7.1%	0.4%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%		8.3%
AM Peak	07:00	07:00	07:00	08:00	07:00	07:00		06:00	05:00					07:00	07:00
Vol.	2	505	224	9	67	6		2	2					811	80
PM Peak	16:00	15:00	16:00	13:00	15:00	13:00		17:00	17:00					16:00	15:00
Vol.	3	346	113	3	42	3		2	2					494	47

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/1															
3	0	18	7	0	2	0	0	0	0	0	0	0	0	27	2
01:00	0	11	6	0	1	0	0	0	0	0	0	0	0	18	1
02:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12	0
03:00	0	9	4	0	3	0	0	0	0	0	0	0	0	16	3
04:00	0	34	34	0	13	0	0	0	0	0	0	0	0	81	13
05:00	2	147	117	1	63	2	0	0	1	0	0	0	0	333	67
06:00	2	388	173	3	68	0	0	3	0	0	0	0	0	637	74
07:00	1	496	225	3	54	3	0	4	0	0	0	0	0	786	64
08:00	2	404	173	8	45	2	0	3	0	1	0	0	0	638	59
09:00	0	256	82	5	32	4	0	1	0	0	0	0	0	380	42
10:00	0	252	88	2	21	1	0	1	0	0	0	0	0	365	25
11:00	0	262	82	4	12	0	0	2	0	1	0	0	0	363	19
12 PM	0	291	95	4	29	0	0	1	0	0	0	0	0	420	34
13:00	1	280	73	4	20	0	0	1	2	0	0	0	0	381	27
14:00	5	379	107	3	30	2	0	0	1	0	0	0	0	527	36
15:00	0	346	105	1	34	1	0	2	1	0	0	0	0	490	39
16:00	2	353	107	2	27	4	0	0	0	0	0	0	0	495	33
17:00	4	362	119	1	30	4	0	0	0	0	0	0	0	520	35
18:00	1	298	74	0	24	3	0	0	0	0	0	0	0	400	27
19:00	0	184	70	1	18	1	0	1	0	0	0	0	0	275	21
20:00	2	178	53	0	12	0	0	0	0	0	0	0	0	245	12
21:00	0	131	49	1	18	1	0	0	1	0	0	0	0	201	21
22:00	1	85	29	0	2	0	0	0	0	0	0	0	0	117	2
23:00	0	43	24	0	2	0	0	1	0	0	0	0	0	70	3
Total	23	5217	1898	43	560	28	0	20	6	2	0	0	0	7797	659
Percent	0.3%	66.9%	24.3%	0.6%	7.2%	0.4%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		8.5%
AM Peak	05:00	07:00	07:00	08:00	06:00	09:00		07:00	05:00	08:00				07:00	06:00
Vol.	2	496	225	8	68	4		4	1	1				786	74
PM Peak	14:00	14:00	17:00	12:00	15:00	16:00		15:00	13:00					14:00	15:00
Vol.	5	379	119	4	34	4		2	2					527	39
Grand Total	40	10354	3725	80	1100	60	0	30	19	2	0	0	0	15410	1291
Percent	0.3%	67.2%	24.2%	0.5%	7.1%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		8.4%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/1															
3	0	39	15	0	1	0	0	0	1	0	0	0	0	56	2
01:00	0	21	4	0	0	0	0	0	0	0	0	0	0	25	0
02:00	0	8	4	0	3	0	0	0	1	0	0	0	0	16	4
03:00	0	12	1	0	0	0	0	0	0	0	0	0	0	13	0
04:00	0	9	2	0	5	0	0	0	0	0	0	0	0	16	5
05:00	0	41	28	0	8	0	0	0	0	0	0	0	0	77	8
06:00	0	164	49	0	24	0	0	0	0	0	0	0	0	237	24
07:00	2	301	127	4	20	6	0	1	0	0	0	0	0	461	31
08:00	1	272	104	4	19	3	0	0	1	0	0	0	0	404	27
09:00	0	253	73	2	22	0	0	3	1	0	0	0	0	354	28
10:00	2	206	75	1	20	1	0	2	1	0	0	0	0	308	25
11:00	5	214	91	2	25	1	1	1	1	0	0	0	0	341	31
12 PM	3	217	82	2	22	1	0	0	0	0	0	0	0	327	25
13:00	3	251	90	5	21	2	0	2	1	0	0	0	0	375	31
14:00	3	313	142	6	32	2	0	3	0	0	0	0	0	501	43
15:00	4	373	179	3	65	1	0	2	0	0	0	0	0	627	71
16:00	4	471	192	1	59	4	0	2	0	0	0	0	0	733	66
17:00	5	535	167	0	42	3	0	1	0	0	0	0	0	753	46
18:00	2	410	122	2	39	1	0	0	0	0	0	0	0	576	42
19:00	2	257	84	2	21	5	0	0	0	0	0	0	0	371	28
20:00	1	191	58	3	8	0	0	0	0	0	0	0	0	261	11
21:00	2	156	57	0	14	0	0	0	0	0	0	0	0	229	14
22:00	2	111	24	0	3	0	0	0	0	0	0	0	0	140	3
23:00	0	74	23	0	3	0	0	0	0	0	0	0	0	100	3
Total	41	4899	1793	37	476	30	1	17	7	0	0	0	0	7301	568
Percent	0.6%	67.1%	24.6%	0.5%	6.5%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		7.8%
AM Peak Vol.	11:00	07:00	07:00	07:00	11:00	07:00	11:00	09:00	00:00					07:00	07:00
PM Peak Vol.	17:00	17:00	16:00	14:00	15:00	19:00		14:00	13:00					17:00	15:00
	5	535	192	6	65	5		3	1					753	71

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/1															
3	0	35	16	0	2	0	0	0	0	0	0	0	0	53	2
01:00	0	15	7	0	4	0	0	0	0	0	0	0	0	26	4
02:00	1	13	3	0	1	0	0	0	0	0	0	0	0	18	1
03:00	0	7	2	0	1	0	0	0	0	0	0	0	0	10	1
04:00	0	14	2	0	4	0	0	0	1	0	0	0	0	21	5
05:00	0	50	24	0	9	0	0	0	0	0	0	0	0	83	9
06:00	1	134	45	0	25	3	0	0	0	0	0	0	0	208	28
07:00	1	289	109	5	21	3	0	1	0	0	0	0	0	429	30
08:00	4	288	97	1	23	3	0	4	0	0	0	0	0	420	31
09:00	0	238	76	3	25	1	0	1	0	0	0	0	0	344	30
10:00	0	209	89	1	22	2	0	3	0	0	0	0	0	326	28
11:00	1	204	81	3	21	0	0	3	0	0	0	0	0	313	27
12 PM	2	260	94	3	26	3	0	2	0	0	0	0	0	390	34
13:00	1	241	98	3	29	2	0	1	0	0	0	0	0	375	35
14:00	4	330	144	3	35	3	0	3	1	1	0	0	0	524	46
15:00	4	383	173	6	52	1	0	2	2	0	0	0	0	623	63
16:00	11	476	211	2	66	2	0	1	1	0	0	0	0	770	72
17:00	8	488	154	0	45	5	0	2	1	0	0	0	0	703	53
18:00	8	418	125	1	35	4	0	1	0	0	0	0	0	592	41
19:00	3	264	73	3	16	0	0	0	1	0	0	0	0	360	20
20:00	2	215	69	2	20	2	0	0	0	0	0	0	0	310	24
21:00	5	172	57	0	15	0	0	0	0	0	0	0	0	249	15
22:00	2	109	30	0	9	0	0	0	0	0	0	0	0	150	9
23:00	1	67	21	0	2	0	0	0	0	0	0	0	0	91	2
Total	59	4919	1800	36	508	34	0	24	7	1	0	0	0	7388	610
Percent	0.8%	66.6%	24.4%	0.5%	6.9%	0.5%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		8.3%
AM Peak	08:00	07:00	07:00	07:00	06:00	06:00		08:00	04:00					07:00	08:00
Vol.	4	289	109	5	25	3		4	1					429	31
PM Peak	16:00	17:00	16:00	15:00	16:00	17:00		14:00	15:00	14:00				16:00	16:00
Vol.	11	488	211	6	66	5		3	2	1				770	72
Grand Total	100	9818	3593	73	984	64	1	41	14	1	0	0	0	14689	1178
Percent	0.7%	66.8%	24.5%	0.5%	6.7%	0.4%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		8.0%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/13															
01:00	0	63	22	0	4	0	0	0	1	0	0	0	0	90	5
02:00	0	37	9	1	0	0	0	0	0	0	0	0	0	47	1
03:00	0	18	5	0	3	0	0	0	1	0	0	0	0	27	4
04:00	0	25	4	0	3	0	0	0	0	0	0	0	0	32	3
05:00	0	51	27	0	17	0	0	0	0	0	0	0	0	95	17
06:00	1	200	133	0	56	2	0	0	2	0	0	0	0	394	60
07:00	0	547	231	1	86	3	0	2	0	0	0	0	0	870	92
08:00	4	806	351	8	87	12	0	2	2	0	0	0	0	1272	111
09:00	1	673	282	13	67	5	0	1	1	0	0	0	0	1043	87
10:00	2	514	156	6	51	0	0	3	2	0	0	0	0	734	62
11:00	3	449	151	3	47	1	0	2	3	0	0	0	0	659	56
12 PM	5	472	179	4	45	3	1	1	1	0	0	0	0	711	55
13:00	3	490	152	4	44	2	0	0	1	0	0	0	0	696	51
14:00	4	545	171	8	45	5	0	3	2	0	0	0	0	783	63
15:00	4	652	251	7	52	4	0	3	0	0	0	0	0	973	66
16:00	5	719	275	5	107	3	0	2	1	0	0	0	0	1117	118
17:00	7	815	305	1	89	7	0	3	0	0	0	0	0	1227	100
18:00	6	852	267	0	67	6	0	3	2	0	0	0	0	1203	78
19:00	3	673	194	4	63	1	0	0	0	0	0	0	0	938	68
20:00	4	454	161	4	32	8	0	1	0	0	0	0	0	664	45
21:00	1	380	107	4	17	0	0	0	1	0	0	0	0	510	22
22:00	3	285	105	1	21	0	0	1	0	0	0	0	0	416	23
23:00	2	194	42	0	6	0	0	0	0	0	0	0	0	244	6
04/02/13	0	122	40	0	7	0	0	0	0	0	0	0	0	169	7
Total	58	10036	3620	74	1016	62	1	27	20	0	0	0	0	14914	1200
Percent	0.4%	67.3%	24.3%	0.5%	6.8%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		8.0%
AM Peak Vol.	11:00	07:00	07:00	08:00	07:00	07:00	11:00	09:00	10:00					07:00	07:00
PM Peak Vol.	16:00	17:00	16:00	13:00	15:00	19:00		13:00	13:00					16:00	15:00
	5	806	351	13	87	12	1	3	3					1272	111
	7	852	305	8	107	8		3	2					1227	118

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #14
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, north of Loring St

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/1															
3	0	53	23	0	4	0	0	0	0	0	0	0	0	80	4
01:00	0	26	13	0	5	0	0	0	0	0	0	0	0	44	5
02:00	1	23	5	0	1	0	0	0	0	0	0	0	0	30	1
03:00	0	16	6	0	4	0	0	0	0	0	0	0	0	26	4
04:00	0	48	36	0	17	0	0	0	1	0	0	0	0	102	18
05:00	2	197	141	1	72	2	0	0	1	0	0	0	0	416	76
06:00	3	522	218	3	93	3	0	3	0	0	0	0	0	845	102
07:00	2	785	334	8	75	6	0	5	0	0	0	0	0	1215	94
08:00	6	692	270	9	68	5	0	7	0	1	0	0	0	1058	90
09:00	0	494	158	8	57	5	0	2	0	0	0	0	0	724	72
10:00	0	461	177	3	43	3	0	4	0	0	0	0	0	691	53
11:00	1	466	163	7	33	0	0	5	0	1	0	0	0	676	46
12 PM	2	551	189	7	55	3	0	3	0	0	0	0	0	810	68
13:00	2	521	171	7	49	2	0	2	2	0	0	0	0	756	62
14:00	9	709	251	6	65	5	0	3	2	1	0	0	0	1051	82
15:00	4	729	278	7	86	2	0	4	3	0	0	0	0	1113	102
16:00	13	829	318	4	93	6	0	1	1	0	0	0	0	1265	105
17:00	12	850	273	1	75	9	0	2	1	0	0	0	0	1223	88
18:00	9	716	199	1	59	7	0	1	0	0	0	0	0	992	68
19:00	3	448	143	4	34	1	0	1	1	0	0	0	0	635	41
20:00	4	393	122	2	32	2	0	0	0	0	0	0	0	555	36
21:00	5	303	106	1	33	1	0	0	1	0	0	0	0	450	36
22:00	3	194	59	0	11	0	0	0	0	0	0	0	0	267	11
23:00	1	110	45	0	4	0	0	1	0	0	0	0	0	161	5
Total	82	10136	3698	79	1068	62	0	44	13	3	0	0	0	15185	1269
Percent	0.5%	66.8%	24.4%	0.5%	7.0%	0.4%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		8.4%
AM Peak Vol.	08:00	07:00	07:00	08:00	06:00	07:00		08:00	04:00	08:00				07:00	06:00
PM Peak Vol.	16:00	17:00	16:00	12:00	16:00	17:00		15:00	15:00	14:00				16:00	16:00
	6	785	334	9	93	6		7	1	1				1215	102
	13	850	318	7	93	9		4	3	1				1265	105
Grand Total	140	20172	7318	153	2084	124	1	71	33	3	0	0	0	30099	2469
Percent	0.5%	67.0%	24.3%	0.5%	6.9%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		8.2%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

Start Time	01-Apr-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	28	47	25	38	*	*	*	*	*	*	*	*	26	42
01:00	*	*	16	21	13	18	*	*	*	*	*	*	*	*	14	20
02:00	*	*	9	13	8	12	*	*	*	*	*	*	*	*	8	12
03:00	*	*	15	8	11	6	*	*	*	*	*	*	*	*	13	7
04:00	*	*	73	14	73	14	*	*	*	*	*	*	*	*	73	14
05:00	*	*	280	57	286	58	*	*	*	*	*	*	*	*	283	58
06:00	*	*	553	165	553	149	*	*	*	*	*	*	*	*	553	157
07:00	*	*	721	379	692	355	*	*	*	*	*	*	*	*	706	367
08:00	*	*	538	324	559	329	*	*	*	*	*	*	*	*	548	326
09:00	*	*	343	284	344	259	*	*	*	*	*	*	*	*	344	272
10:00	*	*	296	236	336	268	*	*	*	*	*	*	*	*	316	252
11:00	*	*	314	271	332	240	*	*	*	*	*	*	*	*	323	256
12:00 PM	*	*	325	250	379	310	*	*	*	*	*	*	*	*	352	280
01:00	*	*	368	293	340	285	*	*	*	*	*	*	*	*	354	289
02:00	*	*	424	389	473	422	*	*	*	*	*	*	*	*	448	406
03:00	*	*	433	504	424	476	*	*	*	*	*	*	*	*	428	490
04:00	*	*	452	581	444	595	*	*	*	*	*	*	*	*	448	588
05:00	*	*	430	617	471	569	*	*	*	*	*	*	*	*	450	593
06:00	*	*	314	449	371	462	*	*	*	*	*	*	*	*	342	456
07:00	*	*	281	288	231	282	*	*	*	*	*	*	*	*	256	285
08:00	*	*	231	194	231	229	*	*	*	*	*	*	*	*	231	212
09:00	*	*	172	180	176	170	*	*	*	*	*	*	*	*	174	175
10:00	*	*	89	98	109	117	*	*	*	*	*	*	*	*	99	108
11:00	*	*	70	72	71	68	*	*	*	*	*	*	*	*	70	70
Total	0	0	6775	5734	6952	5731	0	0	0	0	0	0	0	0	6859	5735
Day	0		12509		12683		0		0		0		0		12594	
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	721	379	692	355	-	-	-	-	-	-	-	-	706	367
PM Peak	-	-	16:00	17:00	14:00	16:00	-	-	-	-	-	-	-	-	17:00	17:00
Vol.	-	-	452	617	473	595	-	-	-	-	-	-	-	-	450	593

Comb. Total	0	12509	12683	0	0	0	0	12594
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Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

Start Time	02-Apr-13		NB		SB		Combined		03-Apr-Wed	NB		SB		Combined	
	Tue		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			8	70	14	62	22	132		2	108	15	72	17	180
12:15			5	93	10	51	15	144		7	107	10	80	17	187
12:30			9	99	14	72	23	171		10	67	7	88	17	155
12:45			6	63	9	65	15	128		6	97	6	70	12	167
01:00			5	93	5	66	10	159		4	98	1	60	5	158
01:15			3	79	8	80	11	159		4	65	5	70	9	135
01:30			4	104	5	73	9	177		3	90	7	74	10	164
01:45			4	92	3	74	7	166		2	87	5	81	7	168
02:00			1	92	3	100	4	192		3	125	7	106	10	231
02:15			3	138	3	86	6	224		1	139	5	111	6	250
02:30			5	98	5	104	10	202		3	110	0	91	3	201
02:45			0	96	2	99	2	195		1	99	0	114	1	213
03:00			2	120	3	101	5	221		2	123	1	84	3	207
03:15			4	95	2	125	6	220		1	117	1	120	2	237
03:30			3	123	1	127	4	250		3	94	1	120	4	214
03:45			6	95	2	151	8	246		5	90	3	152	8	242
04:00			9	114	1	131	10	245		9	98	0	157	9	255
04:15			18	107	4	161	22	268		11	115	6	165	17	280
04:30			19	123	3	132	22	255		20	129	3	135	23	264
04:45			27	108	6	157	33	265		33	102	5	138	38	240
05:00			50	129	7	156	57	285		55	126	10	146	65	272
05:15			70	119	9	149	79	268		56	127	10	131	66	258
05:30			63	92	17	168	80	260		91	115	12	157	103	272
05:45			97	90	24	144	121	234		84	103	26	135	110	238
06:00			100	75	26	129	126	204		96	97	12	150	108	247
06:15			147	83	32	124	179	207		127	89	30	122	157	211
06:30			146	84	44	95	190	179		160	90	43	96	203	186
06:45			160	72	63	101	223	173		170	95	64	94	234	189
07:00			169	88	77	86	246	174		166	63	58	82	224	145
07:15			180	70	108	69	288	139		174	60	100	58	274	118
07:30			217	70	111	63	328	133		193	58	96	80	289	138
07:45			155	53	83	70	238	123		159	50	101	62	260	112
08:00			156	68	74	59	230	127		152	56	59	59	211	115
08:15			135	57	67	47	202	104		143	72	69	60	212	132
08:30			144	61	80	44	224	105		131	55	105	58	236	113
08:45			103	45	103	44	206	89		133	48	96	52	229	100
09:00			74	58	84	47	158	105		94	47	60	44	154	91
09:15			75	40	76	54	151	94		84	53	66	51	150	104
09:30			96	41	62	48	158	89		84	45	71	44	155	89
09:45			98	33	62	31	160	64		82	31	62	31	144	62
10:00			60	30	46	23	106	53		88	42	56	36	144	78
10:15			75	26	61	26	136	52		81	30	89	26	170	56
10:30			76	22	69	22	145	44		81	25	53	23	134	48
10:45			85	11	60	27	145	38		86	12	70	32	156	44
11:00			96	12	64	21	160	33		78	12	57	19	135	31
11:15			64	21	66	24	130	45		86	19	60	19	146	38
11:30			68	17	67	15	135	32		80	26	67	22	147	48
11:45			86	20	74	12	160	32		88	14	56	8	144	22
Total			3186	3589	1819	3915	5005	7504		3232	3720	1746	3985	4978	7705
Day Total			6775		5734		12509			6952		5731		12683	
% Total			25.5%	28.7%	14.5%	31.3%				25.5%	29.3%	13.8%	31.4%		
Peak	-		06:45	04:30	07:00	04:45	07:00	04:45	-	06:45	04:30	07:15	03:45	07:00	04:15
Vol.	-		726	479	379	630	1100	1078	-	703	484	356	609	1047	1056
P.H.F.			0.836	0.928	0.854	0.938	0.838	0.946		0.911	0.871	0.881	0.923	0.906	0.943

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

Start Time	01-Apr-13 Mon	02-Apr-13 Tue	03-Apr-13 Wed	04-Apr-13 Thu	05-Apr-13 Fri	06-Apr-13 Sat	07-Apr-13 Sun	Week Average
12:00 AM	*	75	63	*	*	*	*	69
01:00	*	37	31	*	*	*	*	34
02:00	*	22	20	*	*	*	*	21
03:00	*	23	17	*	*	*	*	20
04:00	*	87	87	*	*	*	*	87
05:00	*	337	344	*	*	*	*	340
06:00	*	718	702	*	*	*	*	710
07:00	*	1100	1047	*	*	*	*	1074
08:00	*	862	888	*	*	*	*	875
09:00	*	627	603	*	*	*	*	615
10:00	*	532	604	*	*	*	*	568
11:00	*	585	572	*	*	*	*	578
12:00 PM	*	575	689	*	*	*	*	632
01:00	*	661	625	*	*	*	*	643
02:00	*	813	895	*	*	*	*	854
03:00	*	937	900	*	*	*	*	918
04:00	*	1033	1039	*	*	*	*	1036
05:00	*	1047	1040	*	*	*	*	1044
06:00	*	763	833	*	*	*	*	798
07:00	*	569	513	*	*	*	*	541
08:00	*	425	460	*	*	*	*	442
09:00	*	352	346	*	*	*	*	349
10:00	*	187	226	*	*	*	*	206
11:00	*	142	139	*	*	*	*	140
Total	0	12509	12683	0	0	0	0	12594
Percentage	0.0%	99.3%	100.7%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	1100	1047	-	-	-	-	1074
PM Peak	-	17:00	17:00	-	-	-	-	17:00
Vol.	-	1047	1040	-	-	-	-	1044

Old Colony Planning Council
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Page 1

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/1															
3	0	0	0	2	6	6	13	1	0	0	0	0	0	0	28
01:00	0	0	0	0	4	7	5	0	0	0	0	0	0	0	16
02:00	0	0	0	0	2	2	4	1	0	0	0	0	0	0	9
03:00	0	1	0	0	2	6	4	2	0	0	0	0	0	0	15
04:00	0	0	1	2	6	22	25	12	3	2	0	0	0	0	73
05:00	0	1	3	10	28	142	76	20	0	0	0	0	0	0	280
06:00	11	0	7	42	100	260	121	8	4	0	0	0	0	0	553
07:00	25	1	12	26	219	328	108	2	0	0	0	0	0	0	721
08:00	24	6	12	39	121	239	91	5	1	0	0	0	0	0	538
09:00	8	0	5	11	64	168	79	8	0	0	0	0	0	0	343
10:00	3	1	4	10	81	138	54	4	1	0	0	0	0	0	296
11:00	6	0	4	8	76	174	42	3	0	1	0	0	0	0	314
12 PM	12	1	4	17	78	152	55	6	0	0	0	0	0	0	325
13:00	10	0	6	22	109	147	67	6	1	0	0	0	0	0	368
14:00	13	0	7	15	104	221	62	2	0	0	0	0	0	0	424
15:00	19	3	3	40	120	189	49	9	1	0	0	0	0	0	433
16:00	31	3	4	17	93	220	76	7	1	0	0	0	0	0	452
17:00	25	0	2	13	75	195	107	12	1	0	0	0	0	0	430
18:00	10	0	4	17	58	144	75	6	0	0	0	0	0	0	314
19:00	5	0	1	10	90	142	32	1	0	0	0	0	0	0	281
20:00	1	0	4	26	54	99	41	6	0	0	0	0	0	0	231
21:00	2	1	4	5	43	83	31	3	0	0	0	0	0	0	172
22:00	1	0	0	4	16	42	23	3	0	0	0	0	0	0	89
23:00	0	0	0	1	10	30	25	4	0	0	0	0	0	0	70
Total	206	18	87	337	1559	3156	1265	131	13	3	0	0	0	0	6775

Daily

15th Percentile :	30 MPH
50th Percentile :	36 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH
Mean Speed(Average) :	36 MPH
10 MPH Pace Speed :	33-42 MPH
Number in Pace :	4482
Percent in Pace :	66.2%
Number of Vehicles > 30 MPH :	6127
Percent of Vehicles > 30 MPH :	90.4%

Old Colony Planning Council
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Page 2

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13															
01:00	0	0	0	0	6	9	7	3	0	0	0	0	0	0	25
02:00	0	0	1	0	2	6	2	2	0	0	0	0	0	0	13
03:00	0	0	0	0	3	3	1	1	0	0	0	0	0	0	8
04:00	0	0	0	1	1	6	3	0	0	0	0	0	0	0	11
05:00	0	0	0	5	7	18	27	11	5	0	0	0	0	0	73
06:00	1	0	5	11	33	128	93	10	4	1	0	0	0	0	286
07:00	7	0	4	42	117	274	100	9	0	0	0	0	0	0	553
08:00	17	0	2	28	157	364	119	4	1	0	0	0	0	0	692
09:00	23	0	11	44	156	240	80	5	0	0	0	0	0	0	559
10:00	10	0	1	15	70	165	76	7	0	0	0	0	0	0	344
11:00	5	0	5	23	94	141	60	8	0	0	0	0	0	0	336
12 PM	9	0	1	6	84	135	84	9	4	0	0	0	0	0	332
13:00	11	1	4	20	71	188	77	7	0	0	0	0	0	0	379
14:00	10	0	4	11	77	157	74	7	0	0	0	0	0	0	340
15:00	22	0	1	30	132	193	87	8	0	0	0	0	0	0	473
16:00	16	0	3	27	100	178	81	18	1	0	0	0	0	0	424
17:00	30	2	3	15	87	207	85	14	1	0	0	0	0	0	444
18:00	37	0	3	24	77	214	103	12	1	0	0	0	0	0	471
19:00	18	1	4	20	58	159	97	11	3	0	0	0	0	0	371
20:00	10	0	1	14	52	104	43	7	0	0	0	0	0	0	231
21:00	4	1	4	13	73	96	35	4	0	0	1	0	0	0	231
22:00	4	0	0	16	45	63	39	9	0	0	0	0	0	0	176
23:00	0	0	1	6	33	54	8	7	0	0	0	0	0	0	109
23:00	0	0	0	1	13	25	28	3	1	0	0	0	0	0	71
Total	234	5	58	372	1548	3127	1409	176	21	1	1	0	0	0	6952

Daily

15th Percentile : 30 MPH
50th Percentile : 36 MPH
85th Percentile : 41 MPH
95th Percentile : 44 MPH

Mean Speed(Average) : 36 MPH
10 MPH Pace Speed : 33-42 MPH
Number in Pace : 4497
Percent in Pace : 64.7%
Number of Vehicles > 30 MPH : 6283
Percent of Vehicles > 30 MPH : 90.4%

Grand Total	440	23	145	709	3107	6283	2674	307	34	4	1	0	0	0	13727
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Overall

15th Percentile : 30 MPH
50th Percentile : 36 MPH
85th Percentile : 41 MPH
95th Percentile : 44 MPH

Mean Speed(Average) : 36 MPH
10 MPH Pace Speed : 33-42 MPH
Number in Pace : 8979
Percent in Pace : 65.4%
Number of Vehicles > 30 MPH : 12410
Percent of Vehicles > 30 MPH : 90.4%

Old Colony Planning Council
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Page 3

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/1															
3	0	0	0	2	6	11	20	7	1	0	0	0	0	0	47
01:00	0	0	0	0	3	7	7	2	2	0	0	0	0	0	21
02:00	0	0	0	0	0	5	4	3	1	0	0	0	0	0	13
03:00	0	0	0	0	2	2	3	1	0	0	0	0	0	0	8
04:00	0	0	0	0	1	6	2	3	2	0	0	0	0	0	14
05:00	1	0	0	0	4	18	20	11	3	0	0	0	0	0	57
06:00	12	0	0	2	9	48	69	21	4	0	0	0	0	0	165
07:00	32	0	5	4	21	120	147	44	5	1	0	0	0	0	379
08:00	36	1	1	5	25	117	108	27	4	0	0	0	0	0	324
09:00	11	0	1	4	16	112	119	18	3	0	0	0	0	0	284
10:00	5	0	0	2	18	112	71	22	4	2	0	0	0	0	236
11:00	8	0	1	5	23	113	101	17	3	0	0	0	0	0	271
12 PM	12	0	2	2	28	86	88	25	7	0	0	0	0	0	250
13:00	8	0	1	10	20	108	101	34	9	2	0	0	0	0	293
14:00	15	0	4	6	36	147	153	27	1	0	0	0	0	0	389
15:00	25	0	7	25	42	190	184	29	1	1	0	0	0	0	504
16:00	29	2	9	15	44	235	202	39	5	1	0	0	0	0	581
17:00	23	0	1	7	34	187	292	68	4	1	0	0	0	0	617
18:00	18	1	3	14	38	128	205	39	3	0	0	0	0	0	449
19:00	9	0	1	4	34	123	102	13	1	0	1	0	0	0	288
20:00	4	0	1	0	28	85	66	8	2	0	0	0	0	0	194
21:00	4	2	0	0	9	74	72	14	4	1	0	0	0	0	180
22:00	2	0	0	0	5	34	47	10	0	0	0	0	0	0	98
23:00	0	0	0	1	1	22	33	14	1	0	0	0	0	0	72
Total	254	6	37	108	447	2090	2216	496	70	9	1	0	0	0	5734

Daily

15th Percentile : 33 MPH
50th Percentile : 39 MPH
85th Percentile : 44 MPH
95th Percentile : 47 MPH

Mean Speed(Average) : 38 MPH
10 MPH Pace Speed : 36-45 MPH
Number in Pace : 3767
Percent in Pace : 65.7%
Number of Vehicles > 30 MPH : 5329
Percent of Vehicles > 30 MPH : 92.9%

Old Colony Planning Council
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www.ocpcrpa.org

Community: Brockton
 Com#_UR/FC: 44_U5
 Recorder #: Jamar #11
 Layout: L6 Basic (2')

Station ID:
 Site Code: 44
 Date Start: 02-Apr-13
 Date End: 03-Apr-13
 N Quincy St, south of N Cary St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13															
3	0	0	0	0	2	10	18	6	2	0	0	0	0	0	38
01:00	0	0	0	1	1	4	10	2	0	0	0	0	0	0	18
02:00	0	0	0	1	1	0	7	1	2	0	0	0	0	0	12
03:00	0	0	0	0	1	2	2	1	0	0	0	0	0	0	6
04:00	0	0	0	1	2	4	4	3	0	0	0	0	0	0	14
05:00	3	0	0	1	3	21	19	8	2	1	0	0	0	0	58
06:00	6	2	2	9	11	47	54	17	1	0	0	0	0	0	149
07:00	34	3	6	4	23	102	135	39	8	1	0	0	0	0	355
08:00	23	0	1	1	19	109	136	38	2	0	0	0	0	0	329
09:00	16	0	1	7	28	84	91	27	4	0	1	0	0	0	259
10:00	7	0	1	4	26	101	90	34	4	1	0	0	0	0	268
11:00	12	0	1	0	17	87	100	18	4	1	0	0	0	0	240
12 PM	5	1	1	3	23	88	140	43	5	0	0	1	0	0	310
13:00	14	0	0	2	17	84	126	36	5	1	0	0	0	0	285
14:00	20	2	3	8	29	165	152	38	5	0	0	0	0	0	422
15:00	25	0	8	14	47	187	156	36	3	0	0	0	0	0	476
16:00	29	1	9	6	28	224	254	40	4	0	0	0	0	0	595
17:00	31	0	0	5	31	213	231	54	4	0	0	0	0	0	569
18:00	14	1	3	8	23	196	168	44	4	1	0	0	0	0	462
19:00	10	0	2	6	28	118	97	19	1	1	0	0	0	0	282
20:00	3	0	1	7	23	101	78	16	0	0	0	0	0	0	229
21:00	4	1	0	3	15	72	61	12	2	0	0	0	0	0	170
22:00	0	0	0	0	14	50	38	13	2	0	0	0	0	0	117
23:00	0	0	1	1	8	25	28	4	1	0	0	0	0	0	68
Total	256	11	40	92	420	2094	2195	549	65	7	1	1	0	0	5731

Daily

15th Percentile : 33 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 47 MPH

Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3753
 Percent in Pace : 65.5%
 Number of Vehicles > 30 MPH : 5332
 Percent of Vehicles > 30 MPH : 93.0%

Grand Total	510	17	77	200	867	4184	4411	1045	135	16	2	1	0	0	11465
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Overall

15th Percentile : 33 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 47 MPH

Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 7520
 Percent in Pace : 65.6%
 Number of Vehicles > 30 MPH : 10661
 Percent of Vehicles > 30 MPH : 93.0%

Old Colony Planning Council
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Page 5

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/1															
3	0	0	0	4	12	17	33	8	1	0	0	0	0	0	75
01:00	0	0	0	0	7	14	12	2	2	0	0	0	0	0	37
02:00	0	0	0	0	2	7	8	4	1	0	0	0	0	0	22
03:00	0	1	0	0	4	8	7	3	0	0	0	0	0	0	23
04:00	0	0	1	2	7	28	27	15	5	2	0	0	0	0	87
05:00	1	1	3	10	32	160	96	31	3	0	0	0	0	0	337
06:00	23	0	7	44	109	308	190	29	8	0	0	0	0	0	718
07:00	57	1	17	30	240	448	255	46	5	1	0	0	0	0	1100
08:00	60	7	13	44	146	356	199	32	5	0	0	0	0	0	862
09:00	19	0	6	15	80	280	198	26	3	0	0	0	0	0	627
10:00	8	1	4	12	99	250	125	26	5	2	0	0	0	0	532
11:00	14	0	5	13	99	287	143	20	3	1	0	0	0	0	585
12 PM	24	1	6	19	106	238	143	31	7	0	0	0	0	0	575
13:00	18	0	7	32	129	255	168	40	10	2	0	0	0	0	661
14:00	28	0	11	21	140	368	215	29	1	0	0	0	0	0	813
15:00	44	3	10	65	162	379	233	38	2	1	0	0	0	0	937
16:00	60	5	13	32	137	455	278	46	6	1	0	0	0	0	1033
17:00	48	0	3	20	109	382	399	80	5	1	0	0	0	0	1047
18:00	28	1	7	31	96	272	280	45	3	0	0	0	0	0	763
19:00	14	0	2	14	124	265	134	14	1	0	1	0	0	0	569
20:00	5	0	5	26	82	184	107	14	2	0	0	0	0	0	425
21:00	6	3	4	5	52	157	103	17	4	1	0	0	0	0	352
22:00	3	0	0	4	21	76	70	13	0	0	0	0	0	0	187
23:00	0	0	0	2	11	52	58	18	1	0	0	0	0	0	142
Total	460	24	124	445	2006	5246	3481	627	83	12	1	0	0	0	12509

Daily

15th Percentile : 31 MPH
50th Percentile : 37 MPH
85th Percentile : 43 MPH
95th Percentile : 46 MPH

Mean Speed(Average) : 37 MPH
10 MPH Pace Speed : 35-44 MPH
Number in Pace : 7947
Percent in Pace : 63.5%
Number of Vehicles > 30 MPH : 11456
Percent of Vehicles > 30 MPH : 91.6%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Page 6

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/1															
3	0	0	0	0	8	19	25	9	2	0	0	0	0	0	63
01:00	0	0	1	1	3	10	12	4	0	0	0	0	0	0	31
02:00	0	0	0	1	4	3	8	2	2	0	0	0	0	0	20
03:00	0	0	0	1	2	8	5	1	0	0	0	0	0	0	17
04:00	0	0	0	6	9	22	31	14	5	0	0	0	0	0	87
05:00	4	0	5	12	36	149	112	18	6	2	0	0	0	0	344
06:00	13	2	6	51	128	321	154	26	1	0	0	0	0	0	702
07:00	51	3	8	32	180	466	254	43	9	1	0	0	0	0	1047
08:00	46	0	12	45	175	349	216	43	2	0	0	0	0	0	888
09:00	26	0	2	22	98	249	167	34	4	0	1	0	0	0	603
10:00	12	0	6	27	120	242	150	42	4	1	0	0	0	0	604
11:00	21	0	2	6	101	222	184	27	8	1	0	0	0	0	572
12 PM	16	2	5	23	94	276	217	50	5	0	0	1	0	0	689
13:00	24	0	4	13	94	241	200	43	5	1	0	0	0	0	625
14:00	42	2	4	38	161	358	239	46	5	0	0	0	0	0	895
15:00	41	0	11	41	147	365	237	54	4	0	0	0	0	0	900
16:00	59	3	12	21	115	431	339	54	5	0	0	0	0	0	1039
17:00	68	0	3	29	108	427	334	66	5	0	0	0	0	0	1040
18:00	32	2	7	28	81	355	265	55	7	1	0	0	0	0	833
19:00	20	0	3	20	80	222	140	26	1	1	0	0	0	0	513
20:00	7	1	5	20	96	197	113	20	0	0	1	0	0	0	460
21:00	8	1	0	19	60	135	100	21	2	0	0	0	0	0	346
22:00	0	0	1	6	47	104	46	20	2	0	0	0	0	0	226
23:00	0	0	1	2	21	50	56	7	2	0	0	0	0	0	139
Total	490	16	98	464	1968	5221	3604	725	86	8	2	1	0	0	12683

Daily

15th Percentile : 31 MPH
50th Percentile : 37 MPH
85th Percentile : 43 MPH
95th Percentile : 46 MPH

Mean Speed(Average) : 37 MPH
10 MPH Pace Speed : 35-44 MPH
Number in Pace : 8000
Percent in Pace : 63.1%
Number of Vehicles > 30 MPH : 11615
Percent of Vehicles > 30 MPH : 91.6%

Grand Total	950	40	222	909	3974	10467	7085	1352	169	20	3	1	0	0	25192
-------------	-----	----	-----	-----	------	-------	------	------	-----	----	---	---	---	---	-------

Overall

15th Percentile : 31 MPH
50th Percentile : 37 MPH
85th Percentile : 43 MPH
95th Percentile : 46 MPH

Mean Speed(Average) : 37 MPH
10 MPH Pace Speed : 35-44 MPH
Number in Pace : 15947
Percent in Pace : 63.3%
Number of Vehicles > 30 MPH : 23071
Percent of Vehicles > 30 MPH : 91.6%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

NB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/13															
01:00	0	24	3	0	1	0	0	0	0	0	0	0	0	28	1
02:00	0	13	3	0	0	0	0	0	0	0	0	0	0	16	0
03:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9	0
04:00	0	12	3	0	0	0	0	0	0	0	0	0	0	15	0
05:00	0	52	19	0	2	0	0	0	0	0	0	0	0	73	2
06:00	1	171	91	0	13	2	0	0	2	0	0	0	0	280	17
07:00	0	415	124	1	12	0	0	1	0	0	0	0	0	553	14
08:00	3	544	140	0	24	4	0	2	2	0	0	0	0	719	32
09:00	2	398	100	6	24	2	0	4	0	0	0	0	0	536	36
10:00	3	270	49	2	16	1	0	0	1	0	0	0	0	342	20
11:00	0	227	50	2	12	1	0	1	2	0	0	0	0	295	18
12 PM	0	250	55	1	6	2	0	0	0	0	0	0	0	314	9
13:00	0	260	54	2	5	2	0	0	1	0	0	0	0	324	10
14:00	1	286	58	2	11	5	0	2	1	0	0	0	0	366	21
15:00	1	335	78	3	6	1	0	0	0	0	0	0	0	424	10
16:00	0	328	75	2	21	5	0	0	1	0	0	0	0	432	29
17:00	4	352	83	0	5	3	0	3	0	0	0	0	0	450	11
18:00	2	334	76	1	8	2	0	2	2	0	0	0	0	427	15
19:00	3	261	39	0	7	2	0	0	0	0	0	0	0	312	9
20:00	1	230	43	1	4	0	0	0	0	0	0	0	0	279	5
21:00	0	196	29	0	5	0	0	0	1	0	0	0	0	231	6
22:00	1	142	25	0	2	0	0	1	0	0	0	0	0	171	3
23:00	1	79	8	0	1	0	0	0	0	0	0	0	0	89	1
23:00	0	57	12	0	1	0	0	0	0	0	0	0	0	70	1
Total	23	5244	1218	23	186	32	0	16	13	0	0	0	0	6755	270
Percent	0.3%	77.6%	18.0%	0.3%	2.8%	0.5%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		4.0%
AM Peak	07:00	07:00	07:00	08:00	07:00	07:00		08:00	05:00					07:00	08:00
Vol.	3	544	140	6	24	4		4	2					719	36
PM Peak	16:00	16:00	16:00	14:00	15:00	13:00		16:00	17:00					16:00	15:00
Vol.	4	352	83	3	21	5		3	2					450	29

Old Colony Planning Council
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

NB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/1															
3	0	22	3	0	0	0	0	0	0	0	0	0	0	25	0
01:00	0	9	4	0	0	0	0	0	0	0	0	0	0	13	0
02:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
03:00	0	7	4	0	0	0	0	0	0	0	0	0	0	11	0
04:00	0	47	24	0	2	0	0	0	0	0	0	0	0	73	2
05:00	2	178	87	1	14	3	0	0	1	0	0	0	0	286	19
06:00	1	407	125	1	14	2	0	2	1	0	0	0	0	553	20
07:00	2	525	132	2	25	2	0	4	0	0	0	0	0	692	33
08:00	1	411	103	8	26	3	0	4	0	1	0	0	0	557	42
09:00	0	264	55	4	14	5	0	1	0	0	0	0	0	343	24
10:00	1	253	66	1	13	1	0	0	0	0	0	0	0	335	15
11:00	0	272	45	2	7	2	0	1	0	1	0	0	0	330	13
12 PM	0	291	69	1	13	3	0	1	0	0	0	0	0	378	18
13:00	2	268	53	4	11	0	0	0	2	0	0	0	0	340	17
14:00	2	368	75	1	17	5	0	0	1	0	0	0	0	469	24
15:00	0	334	73	1	11	2	0	1	1	0	0	0	0	423	16
16:00	3	347	77	0	12	2	0	0	1	0	0	0	0	442	15
17:00	1	375	75	0	16	3	0	0	1	0	0	0	0	471	20
18:00	1	306	52	1	8	2	0	0	0	0	0	0	0	370	11
19:00	0	183	45	0	1	2	0	0	0	0	0	0	0	231	3
20:00	1	189	36	0	5	0	0	0	0	0	0	0	0	231	5
21:00	0	138	32	0	5	0	0	0	1	0	0	0	0	176	6
22:00	0	90	19	0	0	0	0	0	0	0	0	0	0	109	0
23:00	0	58	11	0	1	0	0	1	0	0	0	0	0	71	2
Total	17	5349	1266	27	215	37	0	15	9	2	0	0	0	6937	305
Percent	0.2%	77.1%	18.2%	0.4%	3.1%	0.5%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		4.4%
AM Peak Vol.	05:00	07:00	07:00	08:00	08:00	09:00		07:00	05:00	08:00				07:00	08:00
PM Peak Vol.	16:00	17:00	16:00	13:00	14:00	14:00		12:00	13:00					17:00	14:00
Grand Total	40	10593	2484	50	401	69	0	31	22	2	0	0	0	13692	575
Percent	0.3%	77.4%	18.1%	0.4%	2.9%	0.5%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		4.2%

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Community: Brockton
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Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/1															
3	0	32	12	0	2	0	0	0	1	0	0	0	0	47	3
01:00	0	16	5	0	0	0	0	0	0	0	0	0	0	21	0
02:00	0	4	6	0	2	0	0	0	1	0	0	0	0	13	3
03:00	0	6	1	0	1	0	0	0	0	0	0	0	0	8	1
04:00	0	8	2	0	4	0	0	0	0	0	0	0	0	14	4
05:00	0	26	22	0	8	0	0	0	1	0	0	0	0	57	9
06:00	0	102	45	2	16	0	0	0	0	0	0	0	0	165	18
07:00	2	239	107	6	21	1	0	1	1	0	0	0	0	378	30
08:00	0	204	92	2	22	2	0	0	1	0	0	0	0	323	27
09:00	1	182	69	3	26	0	0	2	1	0	0	0	0	284	32
10:00	0	146	61	1	23	2	0	2	1	0	0	0	0	236	29
11:00	1	143	94	3	25	1	0	1	2	0	0	0	0	270	32
12 PM	1	160	60	2	25	0	0	0	0	0	0	0	0	248	27
13:00	0	180	78	7	23	0	0	1	2	0	0	0	0	291	33
14:00	0	226	118	5	32	3	0	2	2	0	0	0	0	388	44
15:00	0	282	150	4	61	2	0	2	0	0	0	0	0	501	69
16:00	5	349	168	1	49	3	0	3	0	0	0	0	0	578	56
17:00	0	406	164	1	42	1	0	0	0	0	0	0	0	614	44
18:00	0	306	110	1	28	0	0	1	0	0	0	0	0	446	30
19:00	0	175	83	2	25	1	0	0	0	0	0	0	0	286	28
20:00	0	127	53	4	10	0	0	0	0	0	0	0	0	194	14
21:00	0	113	58	0	9	0	0	0	0	0	0	0	0	180	9
22:00	0	79	17	0	2	0	0	0	0	0	0	0	0	98	2
23:00	0	51	20	0	1	0	0	0	0	0	0	0	0	72	1
Total	10	3562	1595	44	457	16	0	15	13	0	0	0	0	5712	545
Percent	0.2%	62.4%	27.9%	0.8%	8.0%	0.3%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		9.5%
AM Peak Vol.	07:00	07:00	07:00	07:00	09:00	08:00		09:00	11:00					07:00	09:00
PM Peak Vol.	16:00	17:00	16:00	13:00	15:00	14:00		16:00	13:00					17:00	15:00
	5	406	168	7	61	3		3	2					614	69

Old Colony Planning Council
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Community: Brockton
Com#_UR/FC: 44_U5
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Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
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N Quincy St, south of N Cary St

SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/1															
3	0	25	8	0	5	0	0	0	0	0	0	0	0	38	5
01:00	0	11	5	0	2	0	0	0	0	0	0	0	0	18	2
02:00	0	8	4	0	0	0	0	0	0	0	0	0	0	12	0
03:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6	1
04:00	0	8	2	0	3	0	0	0	1	0	0	0	0	14	4
05:00	0	32	18	0	7	0	0	0	0	0	0	0	0	57	7
06:00	0	84	42	3	19	0	0	0	0	0	0	0	0	148	22
07:00	0	227	100	4	20	2	0	1	0	0	0	0	0	354	27
08:00	2	209	88	3	19	3	0	3	0	0	0	0	0	327	28
09:00	0	170	60	2	26	0	0	0	0	0	0	0	0	258	28
10:00	0	158	84	1	20	3	0	1	0	0	0	0	0	267	25
11:00	1	149	68	3	16	0	0	2	1	0	0	0	0	240	22
12 PM	0	196	77	4	31	1	0	0	0	0	0	0	0	309	36
13:00	0	178	69	3	29	0	0	3	2	0	0	0	0	284	37
14:00	1	256	118	3	35	2	0	3	0	1	0	0	0	419	44
15:00	0	274	141	6	49	1	0	0	2	0	0	0	0	473	58
16:00	3	356	171	1	55	3	0	2	1	0	0	0	0	592	62
17:00	1	372	148	0	41	2	0	2	1	0	0	0	0	567	46
18:00	3	295	132	1	28	1	0	1	0	0	0	0	0	461	31
19:00	1	189	68	3	19	0	0	0	1	0	0	0	0	281	23
20:00	0	145	61	1	21	0	0	0	0	0	0	0	0	228	22
21:00	0	116	41	0	13	0	0	0	0	0	0	0	0	170	13
22:00	0	80	29	0	8	0	0	0	0	0	0	0	0	117	8
23:00	0	45	22	0	1	0	0	0	0	0	0	0	0	68	1
Total	12	3587	1557	38	468	18	0	18	9	1	0	0	0	5708	552
Percent	0.2%	62.8%	27.3%	0.7%	8.2%	0.3%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		9.7%
AM Peak Vol.	08:00	07:00	07:00	07:00	09:00	08:00		08:00	04:00					07:00	08:00
PM Peak Vol.	16:00	17:00	16:00	15:00	16:00	16:00		13:00	13:00	14:00				16:00	16:00
Vol.	3	372	171	6	55	3		3	2	1				592	62
Grand Total	22	7149	3152	82	925	34	0	33	22	1	0	0	0	11420	1097
Percent	0.2%	62.6%	27.6%	0.7%	8.1%	0.3%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		9.6%

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Community: Brockton
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Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
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N Quincy St, south of N Cary St

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/1															
3	0	56	15	0	3	0	0	0	1	0	0	0	0	75	4
01:00	0	29	8	0	0	0	0	0	0	0	0	0	0	37	0
02:00	0	12	7	0	2	0	0	0	1	0	0	0	0	22	3
03:00	0	18	4	0	1	0	0	0	0	0	0	0	0	23	1
04:00	0	60	21	0	6	0	0	0	0	0	0	0	0	87	6
05:00	1	197	113	0	21	2	0	0	3	0	0	0	0	337	26
06:00	0	517	169	3	28	0	0	1	0	0	0	0	0	718	32
07:00	5	783	247	6	45	5	0	3	3	0	0	0	0	1097	62
08:00	2	602	192	8	46	4	0	4	1	0	0	0	0	859	63
09:00	4	452	118	5	42	1	0	2	2	0	0	0	0	626	52
10:00	0	373	111	3	35	3	0	3	3	0	0	0	0	531	47
11:00	1	393	149	4	31	3	0	1	2	0	0	0	0	584	41
12 PM	1	420	114	4	30	2	0	0	1	0	0	0	0	572	37
13:00	1	466	136	9	34	5	0	3	3	0	0	0	0	657	54
14:00	1	561	196	8	38	4	0	2	2	0	0	0	0	812	54
15:00	0	610	225	6	82	7	0	2	1	0	0	0	0	933	98
16:00	9	701	251	1	54	6	0	6	0	0	0	0	0	1028	67
17:00	2	740	240	2	50	3	0	2	2	0	0	0	0	1041	59
18:00	3	567	149	1	35	2	0	1	0	0	0	0	0	758	39
19:00	1	405	126	3	29	1	0	0	0	0	0	0	0	565	33
20:00	0	323	82	4	15	0	0	0	1	0	0	0	0	425	20
21:00	1	255	83	0	11	0	0	1	0	0	0	0	0	351	12
22:00	1	158	25	0	3	0	0	0	0	0	0	0	0	187	3
23:00	0	108	32	0	2	0	0	0	0	0	0	0	0	142	2
Total	33	8806	2813	67	643	48	0	31	26	0	0	0	0	12467	815
Percent	0.3%	70.6%	22.6%	0.5%	5.2%	0.4%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		6.5%
AM Peak	07:00	07:00	07:00	08:00	08:00	07:00		08:00	05:00					07:00	08:00
Vol.	5	783	247	8	46	5		4	3					1097	63
PM Peak	16:00	17:00	16:00	13:00	15:00	15:00		16:00	13:00					17:00	15:00
Vol.	9	740	251	9	82	7		6	3					1041	98

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www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #11
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Quincy St, south of N Cary St

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/1															
3	0	47	11	0	5	0	0	0	0	0	0	0	0	63	5
01:00	0	20	9	0	2	0	0	0	0	0	0	0	0	31	2
02:00	0	15	5	0	0	0	0	0	0	0	0	0	0	20	0
03:00	0	11	5	0	1	0	0	0	0	0	0	0	0	17	1
04:00	0	55	26	0	5	0	0	0	1	0	0	0	0	87	6
05:00	2	210	105	1	21	3	0	0	1	0	0	0	0	343	26
06:00	1	491	167	4	33	2	0	2	1	0	0	0	0	701	42
07:00	2	752	232	6	45	4	0	5	0	0	0	0	0	1046	60
08:00	3	620	191	11	45	6	0	7	0	1	0	0	0	884	70
09:00	0	434	115	6	40	5	0	1	0	0	0	0	0	601	52
10:00	1	411	150	2	33	4	0	1	0	0	0	0	0	602	40
11:00	1	421	113	5	23	2	0	3	1	1	0	0	0	570	35
12 PM	0	487	146	5	44	4	0	1	0	0	0	0	0	687	54
13:00	2	446	122	7	40	0	0	3	4	0	0	0	0	624	54
14:00	3	624	193	4	52	7	0	3	1	1	0	0	0	888	68
15:00	0	608	214	7	60	3	0	1	3	0	0	0	0	896	74
16:00	6	703	248	1	67	5	0	2	2	0	0	0	0	1034	77
17:00	2	747	223	0	57	5	0	2	2	0	0	0	0	1038	66
18:00	4	601	184	2	36	3	0	1	0	0	0	0	0	831	42
19:00	1	372	113	3	20	2	0	0	1	0	0	0	0	512	26
20:00	1	334	97	1	26	0	0	0	0	0	0	0	0	459	27
21:00	0	254	73	0	18	0	0	0	1	0	0	0	0	346	19
22:00	0	170	48	0	8	0	0	0	0	0	0	0	0	226	8
23:00	0	103	33	0	2	0	0	1	0	0	0	0	0	139	3
Total	29	8936	2823	65	683	55	0	33	18	3	0	0	0	12645	857
Percent	0.2%	70.7%	22.3%	0.5%	5.4%	0.4%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		6.8%
AM Peak	08:00	07:00	07:00	08:00	07:00	08:00		08:00	04:00	08:00				07:00	08:00
Vol.	3	752	232	11	45	6		7	1	1				1046	70
PM Peak	16:00	17:00	16:00	13:00	16:00	14:00		13:00	13:00	14:00				17:00	16:00
Vol.	6	747	248	7	67	7		3	4	1				1038	77
Grand Total	62	17742	5636	132	1326	103	0	64	44	3	0	0	0	25112	1672
Percent	0.2%	70.7%	22.4%	0.5%	5.3%	0.4%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		6.7%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

Start Time	01-Apr-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	10	12	2	15	*	*	*	*	*	*	*	*	6	14
01:00	*	*	6	5	3	5	*	*	*	*	*	*	*	*	4	5
02:00	*	*	3	3	6	6	*	*	*	*	*	*	*	*	4	4
03:00	*	*	4	6	6	5	*	*	*	*	*	*	*	*	5	6
04:00	*	*	8	9	8	10	*	*	*	*	*	*	*	*	8	10
05:00	*	*	35	28	40	33	*	*	*	*	*	*	*	*	38	30
06:00	*	*	103	92	104	95	*	*	*	*	*	*	*	*	104	94
07:00	*	*	120	162	128	154	*	*	*	*	*	*	*	*	124	158
08:00	*	*	108	140	102	160	*	*	*	*	*	*	*	*	105	150
09:00	*	*	77	110	57	109	*	*	*	*	*	*	*	*	67	110
10:00	*	*	67	88	62	92	*	*	*	*	*	*	*	*	64	90
11:00	*	*	63	90	79	112	*	*	*	*	*	*	*	*	71	101
12:00 PM	*	*	60	95	69	126	*	*	*	*	*	*	*	*	64	110
01:00	*	*	78	119	79	119	*	*	*	*	*	*	*	*	78	119
02:00	*	*	90	150	82	140	*	*	*	*	*	*	*	*	86	145
03:00	*	*	111	180	109	188	*	*	*	*	*	*	*	*	110	184
04:00	*	*	110	201	95	204	*	*	*	*	*	*	*	*	102	202
05:00	*	*	79	172	91	157	*	*	*	*	*	*	*	*	85	164
06:00	*	*	87	143	77	158	*	*	*	*	*	*	*	*	82	150
07:00	*	*	60	121	68	99	*	*	*	*	*	*	*	*	64	110
08:00	*	*	43	86	50	102	*	*	*	*	*	*	*	*	46	94
09:00	*	*	37	61	49	91	*	*	*	*	*	*	*	*	43	76
10:00	*	*	27	48	25	41	*	*	*	*	*	*	*	*	26	44
11:00	*	*	8	40	4	26	*	*	*	*	*	*	*	*	6	33
Total	0	0	1394	2161	1395	2247	0	0	0	0	0	0	0	0	1392	2203
Day	0		3555		3642		0		0		0		0		3595	
AM Peak	-	-	07:00	07:00	07:00	08:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	120	162	128	160	-	-	-	-	-	-	-	-	124	158
PM Peak	-	-	15:00	16:00	15:00	16:00	-	-	-	-	-	-	-	-	15:00	16:00
Vol.	-	-	111	201	109	204	-	-	-	-	-	-	-	-	110	202

Comb. Total	0	3555	3642	0	0	0	0	3595
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

Start Time	02-Apr-13		NB		SB		Combined		03-Apr-13	NB		SB		Combined	
	Tue		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Wed	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			4	18	4	24	8	42		0	17	5	33	5	50
12:15			0	17	4	25	4	42		1	16	2	35	3	51
12:30			4	8	3	25	7	33		0	15	6	25	6	40
12:45			2	17	1	21	3	38		1	21	2	33	3	54
01:00			1	14	2	31	3	45		0	13	1	32	1	45
01:15			1	16	1	34	2	50		0	21	3	30	3	51
01:30			0	32	2	31	2	63		1	23	0	22	1	45
01:45			4	16	0	23	4	39		2	22	1	35	3	57
02:00			1	19	1	34	2	53		3	15	1	36	4	51
02:15			1	19	0	43	1	62		1	16	3	35	4	51
02:30			1	25	1	38	2	63		0	24	2	33	2	57
02:45			0	27	1	35	1	62		2	27	0	36	2	63
03:00			0	27	0	37	0	64		2	26	0	46	2	72
03:15			0	30	3	49	3	79		0	24	1	57	1	81
03:30			3	35	3	47	6	82		3	29	4	47	7	76
03:45			1	19	0	47	1	66		1	30	0	38	1	68
04:00			0	25	1	52	1	77		2	28	0	59	2	87
04:15			3	26	2	53	5	79		1	24	1	47	2	71
04:30			1	41	3	49	4	90		4	24	7	49	11	73
04:45			4	18	3	47	7	65		1	19	2	49	3	68
05:00			4	12	0	46	4	58		5	18	2	35	7	53
05:15			6	19	11	36	17	55		9	22	13	48	22	70
05:30			6	19	6	46	12	65		6	24	7	43	13	67
05:45			19	29	11	44	30	73		20	27	11	31	31	58
06:00			19	23	15	41	34	64		15	23	17	37	32	60
06:15			24	24	23	33	47	57		23	16	18	39	41	55
06:30			35	20	28	38	63	58		41	18	28	46	69	64
06:45			25	20	26	31	51	51		25	20	32	36	57	56
07:00			29	15	27	37	56	52		31	19	27	31	58	50
07:15			33	22	31	35	64	57		32	23	32	22	64	45
07:30			30	12	45	23	75	35		38	13	41	23	79	36
07:45			28	11	59	26	87	37		27	13	54	23	81	36
08:00			41	16	28	26	69	42		31	14	51	15	82	29
08:15			20	12	40	20	60	32		31	12	37	30	68	42
08:30			24	10	46	15	70	25		16	9	39	34	55	43
08:45			23	5	26	25	49	30		24	15	33	23	57	38
09:00			25	9	32	16	57	25		18	13	23	22	41	35
09:15			23	11	20	17	43	28		11	14	31	29	42	43
09:30			17	7	24	17	41	24		13	10	25	18	38	28
09:45			12	10	34	11	46	21		15	12	30	22	45	34
10:00			14	5	16	14	30	19		11	5	19	14	30	19
10:15			18	12	37	12	55	24		15	12	24	11	39	23
10:30			17	3	15	13	32	16		17	4	17	12	34	16
10:45			18	7	20	9	38	16		19	4	32	4	51	8
11:00			20	3	26	11	46	14		25	1	24	5	49	6
11:15			18	0	16	11	34	11		19	1	31	7	50	8
11:30			14	3	17	10	31	13		15	1	31	6	46	7
11:45			11	2	31	8	42	10		20	1	26	8	46	9
Total			604	790	745	1416	1349	2206		597	798	796	1451	1393	2249
Day Total			1394		2161		3555			1395		2247		3642	
% Total			17.0%	22.2%	21.0%	39.8%				16.4%	21.9%	21.9%	39.8%		
Peak	-	07:15	02:45	07:45	03:45	07:15	03:45		-	06:30	03:15	07:30	04:00	07:30	03:15
Vol.	-	132	119	173	201	295	312		-	129	111	183	204	310	312
P.H.F.		0.805	0.850	0.733	0.948	0.848	0.867			0.787	0.925	0.847	0.864	0.945	0.897

Old Colony Planning Council
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

Start Time	01-Apr-13 Mon	02-Apr-13 Tue	03-Apr-13 Wed	04-Apr-13 Thu	05-Apr-13 Fri	06-Apr-13 Sat	07-Apr-13 Sun	Week Average
12:00 AM	*	22	17	*	*	*	*	20
01:00	*	11	8	*	*	*	*	10
02:00	*	6	12	*	*	*	*	9
03:00	*	10	11	*	*	*	*	10
04:00	*	17	18	*	*	*	*	18
05:00	*	63	73	*	*	*	*	68
06:00	*	195	199	*	*	*	*	197
07:00	*	282	282	*	*	*	*	282
08:00	*	248	262	*	*	*	*	255
09:00	*	187	166	*	*	*	*	176
10:00	*	155	154	*	*	*	*	154
11:00	*	153	191	*	*	*	*	172
12:00 PM	*	155	195	*	*	*	*	175
01:00	*	197	198	*	*	*	*	198
02:00	*	240	222	*	*	*	*	231
03:00	*	291	297	*	*	*	*	294
04:00	*	311	299	*	*	*	*	305
05:00	*	251	248	*	*	*	*	250
06:00	*	230	235	*	*	*	*	232
07:00	*	181	167	*	*	*	*	174
08:00	*	129	152	*	*	*	*	140
09:00	*	98	140	*	*	*	*	119
10:00	*	75	66	*	*	*	*	70
11:00	*	48	30	*	*	*	*	39
Total	0	3555	3642	0	0	0	0	3598
Percentage	0.0%	98.8%	101.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	282	282	-	-	-	-	282
PM Peak	-	16:00	16:00	-	-	-	-	16:00
Vol.	-	311	299	-	-	-	-	305

Old Colony Planning Council
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/13	0	0	1	6	3	0	0	0	0	0	0	0	0	0	10
01:00	0	0	3	2	1	0	0	0	0	0	0	0	0	0	6
02:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
04:00	0	0	2	5	1	0	0	0	0	0	0	0	0	0	8
05:00	1	1	6	19	7	1	0	0	0	0	0	0	0	0	35
06:00	2	1	26	53	21	0	0	0	0	0	0	0	0	0	103
07:00	1	2	40	52	25	0	0	0	0	0	0	0	0	0	120
08:00	3	5	25	56	18	1	0	0	0	0	0	0	0	0	108
09:00	1	0	10	53	12	1	0	0	0	0	0	0	0	0	77
10:00	2	1	13	33	15	3	0	0	0	0	0	0	0	0	67
11:00	0	0	18	37	7	1	0	0	0	0	0	0	0	0	63
12 PM	2	1	14	31	12	0	0	0	0	0	0	0	0	0	60
13:00	5	3	16	36	16	2	0	0	0	0	0	0	0	0	78
14:00	5	2	20	53	8	2	0	0	0	0	0	0	0	0	90
15:00	6	8	27	54	16	0	0	0	0	0	0	0	0	0	111
16:00	7	3	24	63	13	0	0	0	0	0	0	0	0	0	110
17:00	5	2	18	41	13	0	0	0	0	0	0	0	0	0	79
18:00	0	3	27	46	10	1	0	0	0	0	0	0	0	0	87
19:00	5	5	15	26	9	0	0	0	0	0	0	0	0	0	60
20:00	0	3	13	20	7	0	0	0	0	0	0	0	0	0	43
21:00	1	2	6	24	4	0	0	0	0	0	0	0	0	0	37
22:00	1	0	3	15	8	0	0	0	0	0	0	0	0	0	27
23:00	0	0	2	2	4	0	0	0	0	0	0	0	0	0	8
Total	47	42	330	731	232	12	0	0	0	0	0	0	0	0	1394

Daily

15th Percentile :	20 MPH
50th Percentile :	26 MPH
85th Percentile :	30 MPH
95th Percentile :	33 MPH

Mean Speed(Average) :	26 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	981
Percent in Pace :	70.4%
Number of Vehicles > 30 MPH :	244
Percent of Vehicles > 30 MPH :	17.5%

Old Colony Planning Council
70 School Street
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

NB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	4	2	0	0	0	0	0	0	0	0	0	6
03:00	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
04:00	0	0	0	6	1	1	0	0	0	0	0	0	0	0	8
05:00	0	1	4	21	12	2	0	0	0	0	0	0	0	0	40
06:00	0	1	29	56	16	2	0	0	0	0	0	0	0	0	104
07:00	3	1	24	75	25	0	0	0	0	0	0	0	0	0	128
08:00	0	2	17	57	25	1	0	0	0	0	0	0	0	0	102
09:00	1	0	5	40	10	1	0	0	0	0	0	0	0	0	57
10:00	3	2	13	26	17	1	0	0	0	0	0	0	0	0	62
11:00	4	4	12	39	17	3	0	0	0	0	0	0	0	0	79
12 PM	1	3	22	38	5	0	0	0	0	0	0	0	0	0	69
13:00	2	2	12	45	16	2	0	0	0	0	0	0	0	0	79
14:00	4	2	27	38	11	0	0	0	0	0	0	0	0	0	82
15:00	8	6	31	53	11	0	0	0	0	0	0	0	0	0	109
16:00	5	2	17	44	25	2	0	0	0	0	0	0	0	0	95
17:00	3	1	16	53	17	0	1	0	0	0	0	0	0	0	91
18:00	3	2	12	43	16	1	0	0	0	0	0	0	0	0	77
19:00	1	1	17	33	16	0	0	0	0	0	0	0	0	0	68
20:00	1	0	9	29	10	1	0	0	0	0	0	0	0	0	50
21:00	1	0	6	33	9	0	0	0	0	0	0	0	0	0	49
22:00	0	0	8	12	5	0	0	0	0	0	0	0	0	0	25
23:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
Total	40	30	283	755	268	18	1	0	0	0	0	0	0	0	1395

Daily

15th Percentile :	21 MPH
50th Percentile :	27 MPH
85th Percentile :	31 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	27 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	998
Percent in Pace :	71.5%
Number of Vehicles > 30 MPH :	287
Percent of Vehicles > 30 MPH :	20.6%

Grand Total	87	72	613	1486	500	30	1	0	0	0	0	0	0	0	2789
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Overall

15th Percentile :	21 MPH
50th Percentile :	26 MPH
85th Percentile :	31 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	26 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	1979
Percent in Pace :	71.0%
Number of Vehicles > 30 MPH :	531
Percent of Vehicles > 30 MPH :	19.0%

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www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/13	0	0	0	3	7	1	1	0	0	0	0	0	0	0	12
01:00	0	0	0	3	1	1	0	0	0	0	0	0	0	0	5
02:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6
04:00	0	0	2	3	3	1	0	0	0	0	0	0	0	0	9
05:00	0	0	1	9	12	3	2	1	0	0	0	0	0	0	28
06:00	1	2	5	24	39	18	3	0	0	0	0	0	0	0	92
07:00	0	0	2	49	81	27	3	0	0	0	0	0	0	0	162
08:00	2	0	6	35	71	24	2	0	0	0	0	0	0	0	140
09:00	2	1	6	32	52	15	2	0	0	0	0	0	0	0	110
10:00	0	0	5	28	38	17	0	0	0	0	0	0	0	0	88
11:00	3	0	3	32	39	12	1	0	0	0	0	0	0	0	90
12 PM	1	0	5	30	43	15	1	0	0	0	0	0	0	0	95
13:00	7	1	9	38	51	12	1	0	0	0	0	0	0	0	119
14:00	0	1	11	49	62	26	1	0	0	0	0	0	0	0	150
15:00	5	1	12	61	85	16	0	0	0	0	0	0	0	0	180
16:00	2	4	9	65	99	21	1	0	0	0	0	0	0	0	201
17:00	3	0	4	34	96	34	1	0	0	0	0	0	0	0	172
18:00	2	2	6	49	70	13	1	0	0	0	0	0	0	0	143
19:00	1	6	14	44	44	12	0	0	0	0	0	0	0	0	121
20:00	0	2	10	37	28	9	0	0	0	0	0	0	0	0	86
21:00	0	0	6	24	19	10	1	1	0	0	0	0	0	0	61
22:00	1	1	4	15	16	10	1	0	0	0	0	0	0	0	48
23:00	0	0	0	12	22	5	1	0	0	0	0	0	0	0	40
Total	30	21	121	679	981	304	23	2	0	0	0	0	0	0	2161

Daily

15th Percentile :	25 MPH
50th Percentile :	31 MPH
85th Percentile :	35 MPH
95th Percentile :	38 MPH

Mean Speed(Average) :	31 MPH
10 MPH Pace Speed :	27-36 MPH
Number in Pace :	1511
Percent in Pace :	69.9%
Number of Vehicles > 30 MPH :	1310
Percent of Vehicles > 30 MPH :	60.6%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
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Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13	0	0	0	2	9	3	1	0	0	0	0	0	0	0	15
01:00	0	0	0	2	3	0	0	0	0	0	0	0	0	0	5
02:00	0	0	1	2	3	0	0	0	0	0	0	0	0	0	6
03:00	0	0	0	1	4	0	0	0	0	0	0	0	0	0	5
04:00	0	0	0	4	3	3	0	0	0	0	0	0	0	0	10
05:00	0	1	1	10	13	8	0	0	0	0	0	0	0	0	33
06:00	2	1	6	24	45	16	1	0	0	0	0	0	0	0	95
07:00	2	1	13	48	66	24	0	0	0	0	0	0	0	0	154
08:00	4	6	20	37	67	24	2	0	0	0	0	0	0	0	160
09:00	0	0	3	35	55	13	3	0	0	0	0	0	0	0	109
10:00	1	0	5	33	39	14	0	0	0	0	0	0	0	0	92
11:00	2	2	3	33	53	18	1	0	0	0	0	0	0	0	112
12 PM	2	0	7	37	59	19	2	0	0	0	0	0	0	0	126
13:00	1	1	6	39	53	18	1	0	0	0	0	0	0	0	119
14:00	3	1	6	32	78	20	0	0	0	0	0	0	0	0	140
15:00	1	0	11	57	94	23	2	0	0	0	0	0	0	0	188
16:00	5	1	3	38	117	36	4	0	0	0	0	0	0	0	204
17:00	3	1	6	39	81	24	3	0	0	0	0	0	0	0	157
18:00	1	1	8	45	73	26	4	0	0	0	0	0	0	0	158
19:00	1	1	8	29	49	10	1	0	0	0	0	0	0	0	99
20:00	1	3	7	45	37	8	1	0	0	0	0	0	0	0	102
21:00	0	2	5	37	36	11	0	0	0	0	0	0	0	0	91
22:00	0	2	5	16	15	3	0	0	0	0	0	0	0	0	41
23:00	0	1	3	9	9	4	0	0	0	0	0	0	0	0	26
Total	29	25	127	654	1061	325	26	0	0	0	0	0	0	0	2247

Daily

15th Percentile : 25 MPH
50th Percentile : 31 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 27-36 MPH
Number in Pace : 1574
Percent in Pace : 70.0%
Number of Vehicles > 30 MPH : 1412
Percent of Vehicles > 30 MPH : 62.8%

Grand Total	59	46	248	1333	2042	629	49	2	0	0	0	0	0	0	4408
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Overall

15th Percentile : 25 MPH
50th Percentile : 31 MPH
85th Percentile : 35 MPH
95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 27-36 MPH
Number in Pace : 3085
Percent in Pace : 70.0%
Number of Vehicles > 30 MPH : 2722
Percent of Vehicles > 30 MPH : 61.8%

Old Colony Planning Council
70 School Street
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(508) 583-1833
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Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/13	0	0	1	9	10	1	1	0	0	0	0	0	0	0	22
01:00	0	0	3	5	2	1	0	0	0	0	0	0	0	0	11
02:00	0	0	2	2	2	0	0	0	0	0	0	0	0	0	6
03:00	0	0	0	5	3	2	0	0	0	0	0	0	0	0	10
04:00	0	0	4	8	4	1	0	0	0	0	0	0	0	0	17
05:00	1	1	7	28	19	4	2	1	0	0	0	0	0	0	63
06:00	3	3	31	77	60	18	3	0	0	0	0	0	0	0	195
07:00	1	2	42	101	106	27	3	0	0	0	0	0	0	0	282
08:00	5	5	31	91	89	25	2	0	0	0	0	0	0	0	248
09:00	3	1	16	85	64	16	2	0	0	0	0	0	0	0	187
10:00	2	1	18	61	53	20	0	0	0	0	0	0	0	0	155
11:00	3	0	21	69	46	13	1	0	0	0	0	0	0	0	153
12 PM	3	1	19	61	55	15	1	0	0	0	0	0	0	0	155
13:00	12	4	25	74	67	14	1	0	0	0	0	0	0	0	197
14:00	5	3	31	102	70	28	1	0	0	0	0	0	0	0	240
15:00	11	9	39	115	101	16	0	0	0	0	0	0	0	0	291
16:00	9	7	33	128	112	21	1	0	0	0	0	0	0	0	311
17:00	8	2	22	75	109	34	1	0	0	0	0	0	0	0	251
18:00	2	5	33	95	80	14	1	0	0	0	0	0	0	0	230
19:00	6	11	29	70	53	12	0	0	0	0	0	0	0	0	181
20:00	0	5	23	57	35	9	0	0	0	0	0	0	0	0	129
21:00	1	2	12	48	23	10	1	1	0	0	0	0	0	0	98
22:00	2	1	7	30	24	10	1	0	0	0	0	0	0	0	75
23:00	0	0	2	14	26	5	1	0	0	0	0	0	0	0	48
Total	77	63	451	1410	1213	316	23	2	0	0	0	0	0	0	3555

Daily

15th Percentile :	23 MPH
50th Percentile :	29 MPH
85th Percentile :	34 MPH
95th Percentile :	37 MPH

Mean Speed(Average) :	29 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	2339
Percent in Pace :	65.8%
Number of Vehicles > 30 MPH :	1554
Percent of Vehicles > 30 MPH :	43.7%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 44
 Date Start: 02-Apr-13
 Date End: 03-Apr-13
 N Cary St, south of N Quincy St

NB, SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13	0	0	0	2	10	4	1	0	0	0	0	0	0	0	17
01:00	0	0	0	4	4	0	0	0	0	0	0	0	0	0	8
02:00	0	0	1	6	5	0	0	0	0	0	0	0	0	0	12
03:00	0	0	0	7	4	0	0	0	0	0	0	0	0	0	11
04:00	0	0	0	10	4	4	0	0	0	0	0	0	0	0	18
05:00	0	2	5	31	25	10	0	0	0	0	0	0	0	0	73
06:00	2	2	35	80	61	18	1	0	0	0	0	0	0	0	199
07:00	5	2	37	123	91	24	0	0	0	0	0	0	0	0	282
08:00	4	8	37	94	92	25	2	0	0	0	0	0	0	0	262
09:00	1	0	8	75	65	14	3	0	0	0	0	0	0	0	166
10:00	4	2	18	59	56	15	0	0	0	0	0	0	0	0	154
11:00	6	6	15	72	70	21	1	0	0	0	0	0	0	0	191
12 PM	3	3	29	75	64	19	2	0	0	0	0	0	0	0	195
13:00	3	3	18	84	69	20	1	0	0	0	0	0	0	0	198
14:00	7	3	33	70	89	20	0	0	0	0	0	0	0	0	222
15:00	9	6	42	110	105	23	2	0	0	0	0	0	0	0	297
16:00	10	3	20	82	142	38	4	0	0	0	0	0	0	0	299
17:00	6	2	22	92	98	24	4	0	0	0	0	0	0	0	248
18:00	4	3	20	88	89	27	4	0	0	0	0	0	0	0	235
19:00	2	2	25	62	65	10	1	0	0	0	0	0	0	0	167
20:00	2	3	16	74	47	9	1	0	0	0	0	0	0	0	152
21:00	1	2	11	70	45	11	0	0	0	0	0	0	0	0	140
22:00	0	2	13	28	20	3	0	0	0	0	0	0	0	0	66
23:00	0	1	5	11	9	4	0	0	0	0	0	0	0	0	30
Total	69	55	410	1409	1329	343	27	0	0	0	0	0	0	0	3642

Daily

15th Percentile : 23 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 2444
 Percent in Pace : 67.1%
 Number of Vehicles > 30 MPH : 1699
 Percent of Vehicles > 30 MPH : 46.7%

Grand Total	146	118	861	2819	2542	659	50	2	0	0	0	0	0	0	7197
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Overall

15th Percentile : 23 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 37 MPH

Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 4783
 Percent in Pace : 66.5%
 Number of Vehicles > 30 MPH : 3253
 Percent of Vehicles > 30 MPH : 45.2%

Old Colony Planning Council
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Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

NB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/13	0	8	1	0	1	0	0	0	0	0	0	0	0	10	1
01:00	0	4	0	1	1	0	0	0	0	0	0	0	0	6	2
02:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
03:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4	1
04:00	0	5	2	0	1	0	0	0	0	0	0	0	0	8	1
05:00	1	25	7	0	2	0	0	0	0	0	0	0	0	35	2
06:00	0	85	16	0	2	0	0	0	0	0	0	0	0	103	2
07:00	1	85	30	0	3	0	0	0	1	0	0	0	0	120	4
08:00	2	74	25	1	5	0	0	0	0	0	0	0	0	107	6
09:00	1	49	22	0	5	0	0	0	0	0	0	0	0	77	5
10:00	0	45	16	0	5	0	0	0	0	0	0	0	0	66	5
11:00	0	48	14	0	1	0	0	0	0	0	0	0	0	63	1
12 PM	0	44	13	0	3	0	0	0	0	0	0	0	0	60	3
13:00	2	49	21	0	5	1	0	0	0	0	0	0	0	78	6
14:00	1	64	21	1	2	0	0	0	1	0	0	0	0	90	4
15:00	1	80	25	1	4	0	0	0	0	0	0	0	0	111	5
16:00	1	85	17	0	6	0	0	1	0	0	0	0	0	110	7
17:00	0	61	16	0	1	0	0	0	0	0	0	0	0	78	1
18:00	0	70	12	0	5	0	0	0	0	0	0	0	0	87	5
19:00	0	43	12	0	4	0	0	0	0	0	0	0	0	59	4
20:00	0	34	7	0	2	0	0	0	0	0	0	0	0	43	2
21:00	0	31	6	0	0	0	0	0	0	0	0	0	0	37	0
22:00	0	25	2	0	0	0	0	0	0	0	0	0	0	27	0
23:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
Total	10	1026	287	4	59	1	0	1	2	0	0	0	0	1390	67
Percent	0.7%	73.8%	20.6%	0.3%	4.2%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		4.8%
AM Peak	08:00	06:00	07:00	01:00	08:00				07:00					07:00	08:00
Vol.	2	85	30	1	5				1					120	6
PM Peak	13:00	16:00	15:00	14:00	16:00	13:00		16:00	14:00					15:00	16:00
Vol.	2	85	25	1	6	1		1	1					111	7

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 N Cary St, south of N Quincy St

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04/03/13	0	1	0	0	1	0	0	0	0	0	0	0	0	2	1
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
03:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6	1
04:00	0	4	3	0	1	0	0	0	0	0	0	0	0	8	1
05:00	0	24	13	0	3	0	0	0	0	0	0	0	0	40	3
06:00	0	78	20	0	5	1	0	0	0	0	0	0	0	104	6
07:00	1	92	29	1	5	0	0	0	0	0	0	0	0	128	6
08:00	0	68	25	0	6	2	0	1	0	0	0	0	0	102	9
09:00	0	40	15	0	2	0	0	0	0	0	0	0	0	57	2
10:00	1	46	10	1	3	1	0	0	0	0	0	0	0	62	5
11:00	2	56	13	1	5	2	0	0	0	0	0	0	0	79	8
12 PM	0	51	13	1	4	0	0	0	0	0	0	0	0	69	5
13:00	0	60	14	0	4	0	0	1	0	0	0	0	0	79	5
14:00	2	58	17	1	3	0	0	1	0	0	0	0	0	82	5
15:00	2	77	26	1	3	0	0	0	0	0	0	0	0	109	4
16:00	1	69	17	0	5	1	0	0	0	0	0	0	0	93	6
17:00	1	66	18	0	6	0	0	0	0	0	0	0	0	91	6
18:00	2	60	13	0	1	0	0	0	0	0	0	0	0	76	1
19:00	0	48	19	0	0	0	0	1	0	0	0	0	0	68	1
20:00	2	38	10	0	0	0	0	0	0	0	0	0	0	50	0
21:00	0	42	7	0	0	0	0	0	0	0	0	0	0	49	0
22:00	0	18	6	0	1	0	0	0	0	0	0	0	0	25	1
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
Total	14	1013	289	6	59	7	0	4	0	0	0	0	0	1392	76
Percent	1.0%	72.8%	20.8%	0.4%	4.2%	0.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		5.5%
AM Peak	11:00	07:00	07:00	07:00	08:00	08:00		08:00						07:00	08:00
Vol.	2	92	29	1	6	2		1						128	9
PM Peak	14:00	15:00	15:00	12:00	17:00	16:00		13:00						15:00	16:00
Vol.	2	77	26	1	6	1		1						109	6
Grand Total	24	2039	576	10	118	8	0	5	2	0	0	0	0	2782	143
Percent	0.9%	73.3%	20.7%	0.4%	4.2%	0.3%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		5.1%

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N Cary St, south of N Quincy St

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04/02/13	0	8	3	0	1	0	0	0	0	0	0	0	0	12	1
01:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
02:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
03:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
04:00	0	4	3	0	2	0	0	0	0	0	0	0	0	9	2
05:00	0	21	7	0	0	0	0	0	0	0	0	0	0	28	0
06:00	0	65	17	1	9	0	0	0	0	0	0	0	0	92	10
07:00	0	112	40	1	9	0	0	0	0	0	0	0	0	162	10
08:00	0	94	35	3	5	2	0	1	0	0	0	0	0	140	11
09:00	0	82	23	0	5	0	0	0	0	0	0	0	0	110	5
10:00	0	59	21	0	7	0	0	1	0	0	0	0	0	88	8
11:00	0	72	16	0	1	0	0	0	0	0	0	0	0	89	1
12 PM	0	66	24	1	4	0	0	0	0	0	0	0	0	95	5
13:00	0	83	28	0	6	2	0	0	0	0	0	0	0	119	8
14:00	1	96	43	2	7	1	0	0	0	0	0	0	0	150	10
15:00	2	122	42	0	11	0	0	1	0	0	0	0	0	178	12
16:00	0	139	47	0	12	3	0	0	0	0	0	0	0	201	15
17:00	0	136	26	0	10	0	0	0	0	0	0	0	0	172	10
18:00	0	113	25	1	4	0	0	0	0	0	0	0	0	143	5
19:00	0	89	29	0	3	0	0	0	0	0	0	0	0	121	3
20:00	0	73	11	0	2	0	0	0	0	0	0	0	0	86	2
21:00	0	47	8	0	6	0	0	0	0	0	0	0	0	61	6
22:00	0	42	5	0	1	0	0	0	0	0	0	0	0	48	1
23:00	0	26	10	0	4	0	0	0	0	0	0	0	0	40	4
Total	3	1561	465	9	109	8	0	3	0	0	0	0	0	2158	129
Percent	0.1%	72.3%	21.5%	0.4%	5.1%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		6.0%
AM Peak Vol.		07:00	07:00	08:00	06:00	08:00		08:00						07:00	08:00
PM Peak Vol.	15:00	16:00	16:00	14:00	16:00	16:00		15:00						16:00	16:00
	2	139	47	2	12	3		1						201	15

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/13	0	13	2	0	0	0	0	0	0	0	0	0	0	15	0
01:00	0	3	0	0	2	0	0	0	0	0	0	0	0	5	2
02:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6	1
03:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
04:00	0	5	3	0	2	0	0	0	0	0	0	0	0	10	2
05:00	0	25	7	0	1	0	0	0	0	0	0	0	0	33	1
06:00	0	66	21	1	7	0	0	0	0	0	0	0	0	95	8
07:00	0	103	39	1	11	0	0	0	0	0	0	0	0	154	12
08:00	0	115	36	2	6	0	0	1	0	0	0	0	0	160	9
09:00	0	78	25	1	5	0	0	0	0	0	0	0	0	109	6
10:00	1	59	26	0	4	1	0	1	0	0	0	0	0	92	6
11:00	1	74	24	1	9	1	0	2	0	0	0	0	0	112	13
12 PM	0	89	32	0	3	1	0	1	0	0	0	0	0	126	5
13:00	0	80	35	0	4	0	0	0	0	0	0	0	0	119	4
14:00	0	93	36	1	9	0	0	0	0	0	0	0	0	139	10
15:00	0	137	36	0	14	0	0	1	0	0	0	0	0	188	15
16:00	0	150	43	1	8	0	0	0	0	0	0	0	0	202	9
17:00	0	115	33	0	8	0	0	0	0	0	0	0	0	156	8
18:00	1	129	22	1	4	1	0	0	0	0	0	0	0	158	6
19:00	0	70	27	0	2	0	0	0	0	0	0	0	0	99	2
20:00	0	77	20	1	4	0	0	0	0	0	0	0	0	102	5
21:00	1	64	20	0	6	0	0	0	0	0	0	0	0	91	6
22:00	0	30	10	0	1	0	0	0	0	0	0	0	0	41	1
23:00	0	18	5	0	3	0	0	0	0	0	0	0	0	26	3
Total	4	1601	504	10	114	4	0	6	0	0	0	0	0	2243	134
Percent	0.2%	71.4%	22.5%	0.4%	5.1%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		6.0%
AM Peak	10:00	08:00	07:00	08:00	07:00	10:00		11:00						08:00	11:00
Vol.	1	115	39	2	11	1		2						160	13
PM Peak	18:00	16:00	16:00	14:00	15:00	12:00		12:00						16:00	15:00
Vol.	1	150	43	1	14	1		1						202	15
Grand Total	7	3162	969	19	223	12	0	9	0	0	0	0	0	4401	263
Percent	0.2%	71.8%	22.0%	0.4%	5.1%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		6.0%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/13	0	16	4	0	2	0	0	0	0	0	0	0	0	22	2
01:00	0	7	2	1	1	0	0	0	0	0	0	0	0	11	2
02:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
03:00	0	8	1	0	1	0	0	0	0	0	0	0	0	10	1
04:00	0	9	5	0	3	0	0	0	0	0	0	0	0	17	3
05:00	1	46	14	0	2	0	0	0	0	0	0	0	0	63	2
06:00	0	150	33	1	11	0	0	0	0	0	0	0	0	195	12
07:00	1	197	70	1	12	0	0	0	1	0	0	0	0	282	14
08:00	2	168	60	4	10	2	0	1	0	0	0	0	0	247	17
09:00	1	131	45	0	10	0	0	0	0	0	0	0	0	187	10
10:00	0	104	37	0	12	0	0	1	0	0	0	0	0	154	13
11:00	0	120	30	0	2	0	0	0	0	0	0	0	0	152	2
12 PM	0	110	37	1	7	0	0	0	0	0	0	0	0	155	8
13:00	2	132	49	0	11	3	0	0	0	0	0	0	0	197	14
14:00	2	160	64	3	9	1	0	0	1	0	0	0	0	240	14
15:00	3	202	67	1	15	0	0	1	0	0	0	0	0	289	17
16:00	1	224	64	0	18	3	0	1	0	0	0	0	0	311	22
17:00	0	197	42	0	11	0	0	0	0	0	0	0	0	250	11
18:00	0	183	37	1	9	0	0	0	0	0	0	0	0	230	10
19:00	0	132	41	0	7	0	0	0	0	0	0	0	0	180	7
20:00	0	107	18	0	4	0	0	0	0	0	0	0	0	129	4
21:00	0	78	14	0	6	0	0	0	0	0	0	0	0	98	6
22:00	0	67	7	0	1	0	0	0	0	0	0	0	0	75	1
23:00	0	33	11	0	4	0	0	0	0	0	0	0	0	48	4
Total	13	2587	752	13	168	9	0	4	2	0	0	0	0	3548	196
Percent	0.4%	72.9%	21.2%	0.4%	4.7%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		5.5%
AM Peak Vol.	08:00	07:00	07:00	08:00	07:00	08:00		08:00	07:00					07:00	08:00
PM Peak Vol.	15:00	16:00	15:00	14:00	16:00	13:00		15:00	14:00					16:00	16:00
	3	224	67	3	18	3		1	1					311	22

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 44_U5
Recorder #: Jamar #12
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
N Cary St, south of N Quincy St

NB, SB

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/03/13	0	14	2	0	1	0	0	0	0	0	0	0	0	17	1
01:00	0	6	0	0	2	0	0	0	0	0	0	0	0	8	2
02:00	0	10	1	0	1	0	0	0	0	0	0	0	0	12	1
03:00	0	8	2	0	1	0	0	0	0	0	0	0	0	11	1
04:00	0	9	6	0	3	0	0	0	0	0	0	0	0	18	3
05:00	0	49	20	0	4	0	0	0	0	0	0	0	0	73	4
06:00	0	144	41	1	12	1	0	0	0	0	0	0	0	199	14
07:00	1	195	68	2	16	0	0	0	0	0	0	0	0	282	18
08:00	0	183	61	2	12	2	0	2	0	0	0	0	0	262	18
09:00	0	118	40	1	7	0	0	0	0	0	0	0	0	166	8
10:00	2	105	36	1	7	2	0	1	0	0	0	0	0	154	11
11:00	3	130	37	2	14	3	0	2	0	0	0	0	0	191	21
12 PM	0	140	45	1	7	1	0	1	0	0	0	0	0	195	10
13:00	0	140	49	0	8	0	0	1	0	0	0	0	0	198	9
14:00	2	151	53	2	12	0	0	1	0	0	0	0	0	221	15
15:00	2	214	62	1	17	0	0	1	0	0	0	0	0	297	19
16:00	1	219	60	1	13	1	0	0	0	0	0	0	0	295	15
17:00	1	181	51	0	14	0	0	0	0	0	0	0	0	247	14
18:00	3	189	35	1	5	1	0	0	0	0	0	0	0	234	7
19:00	0	118	46	0	2	0	0	1	0	0	0	0	0	167	3
20:00	2	115	30	1	4	0	0	0	0	0	0	0	0	152	5
21:00	1	106	27	0	6	0	0	0	0	0	0	0	0	140	6
22:00	0	48	16	0	2	0	0	0	0	0	0	0	0	66	2
23:00	0	22	5	0	3	0	0	0	0	0	0	0	0	30	3
Total	18	2614	793	16	173	11	0	10	0	0	0	0	0	3635	210
Percent	0.5%	71.9%	21.8%	0.4%	4.8%	0.3%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		5.8%
AM Peak	11:00	07:00	07:00	07:00	07:00	11:00		08:00						07:00	11:00
Vol.	3	195	68	2	16	3		2						282	21
PM Peak	18:00	16:00	15:00	14:00	15:00	12:00		12:00						15:00	15:00
Vol.	3	219	62	2	17	1		1						297	19
Grand Total	31	5201	1545	29	341	20	0	14	2	0	0	0	0	7183	406
Percent	0.4%	72.4%	21.5%	0.4%	4.7%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		5.7%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

Start Time	01-Apr-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	0	1	0	0	*	*	*	*	*	*	*	*	0	0
01:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
02:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
03:00	*	*	0	1	0	0	*	*	*	*	*	*	*	*	0	0
04:00	*	*	1	0	1	0	*	*	*	*	*	*	*	*	1	0
05:00	*	*	0	1	1	1	*	*	*	*	*	*	*	*	0	1
06:00	*	*	2	2	1	2	*	*	*	*	*	*	*	*	2	2
07:00	*	*	3	9	4	3	*	*	*	*	*	*	*	*	4	6
08:00	*	*	5	1	1	0	*	*	*	*	*	*	*	*	3	0
09:00	*	*	2	1	1	1	*	*	*	*	*	*	*	*	2	1
10:00	*	*	3	2	1	1	*	*	*	*	*	*	*	*	2	2
11:00	*	*	1	4	3	4	*	*	*	*	*	*	*	*	2	4
12:00 PM	*	*	2	2	4	2	*	*	*	*	*	*	*	*	3	2
01:00	*	*	4	2	7	2	*	*	*	*	*	*	*	*	6	2
02:00	*	*	2	4	1	1	*	*	*	*	*	*	*	*	2	2
03:00	*	*	2	2	4	0	*	*	*	*	*	*	*	*	3	1
04:00	*	*	3	1	12	4	*	*	*	*	*	*	*	*	8	2
05:00	*	*	6	0	4	2	*	*	*	*	*	*	*	*	5	1
06:00	*	*	3	2	6	10	*	*	*	*	*	*	*	*	4	6
07:00	*	*	7	4	3	2	*	*	*	*	*	*	*	*	5	3
08:00	*	*	2	1	1	0	*	*	*	*	*	*	*	*	2	0
09:00	*	*	2	1	2	1	*	*	*	*	*	*	*	*	2	1
10:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
11:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
Total Day	0	0	50	41	57	36	0	0	0	0	0	0	0	0	56	36
AM Peak	-	-	08:00	07:00	07:00	11:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	5	9	4	4	-	-	-	-	-	-	-	-	4	6
PM Peak	-	-	19:00	14:00	16:00	18:00	-	-	-	-	-	-	-	-	16:00	18:00
Vol.	-	-	7	4	12	10	-	-	-	-	-	-	-	-	8	6

Comb. Total	0	91	93	0	0	0	0	92
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Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

Start Time	02-Apr-13		EB		WB		Combined		03-Apr-Wed	EB		WB		Combined	
	Tue		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			0	0	0	0	0	0		0	0	0	1	0	1
12:15			0	0	1	0	1	0		0	3	0	0	0	3
12:30			0	2	0	1	0	3		0	1	0	1	0	2
12:45			0	0	0	1	0	1		0	0	0	0	0	0
01:00			0	3	0	0	0	3		0	0	0	0	0	0
01:15			0	1	0	1	0	2		0	4	0	0	0	4
01:30			0	0	0	0	0	0		0	2	0	0	0	2
01:45			0	0	0	1	0	1		0	1	0	2	0	3
02:00			0	1	0	0	0	1		0	0	0	0	0	0
02:15			0	1	0	3	0	4		0	1	0	0	0	1
02:30			0	0	0	1	0	1		0	0	0	0	0	0
02:45			0	0	0	0	0	0		0	0	0	1	0	1
03:00			0	1	1	0	1	1		0	1	0	0	0	1
03:15			0	1	0	0	0	1		0	1	0	0	0	1
03:30			0	0	0	2	0	2		0	0	0	0	0	0
03:45			0	0	0	0	0	0		0	2	0	0	0	2
04:00			0	1	0	1	0	2		0	5	0	3	0	8
04:15			1	1	0	0	1	1		1	2	0	0	1	2
04:30			0	1	0	0	0	1		0	4	0	0	0	4
04:45			0	0	0	0	0	0		0	1	0	1	0	2
05:00			0	2	0	0	0	2		0	1	0	2	0	3
05:15			0	1	1	0	1	1		0	0	1	0	1	0
05:30			0	1	0	0	0	1		1	0	0	0	1	0
05:45			0	2	0	0	0	2		0	3	0	0	0	3
06:00			1	0	0	0	1	0		0	1	0	2	0	3
06:15			0	2	1	1	1	3		0	4	1	5	1	9
06:30			0	1	0	1	0	2		0	1	0	3	0	4
06:45			1	0	1	0	2	0		1	0	1	0	2	0
07:00			0	4	1	0	1	4		0	1	0	1	0	2
07:15			2	1	3	1	5	2		1	1	0	1	1	2
07:30			0	1	2	3	2	4		3	0	2	0	5	0
07:45			1	1	3	0	4	1		0	1	1	0	1	1
08:00			2	2	0	1	2	3		1	1	0	0	1	1
08:15			1	0	0	0	1	0		0	0	0	0	0	0
08:30			1	0	1	0	2	0		0	0	0	0	0	0
08:45			1	0	0	0	1	0		0	0	0	0	0	0
09:00			1	1	0	0	1	1		1	2	1	0	2	2
09:15			0	1	0	1	0	2		0	0	0	0	0	0
09:30			1	0	0	0	1	0		0	0	0	1	0	1
09:45			0	0	1	0	1	0		0	0	0	0	0	0
10:00			1	0	1	0	2	0		0	0	0	0	0	0
10:15			0	0	0	0	0	0		0	0	0	0	0	0
10:30			1	0	1	0	2	0		0	0	0	0	0	0
10:45			1	0	0	0	1	0		1	0	1	0	2	0
11:00			1	0	3	0	4	0		1	0	0	0	1	0
11:15			0	0	0	0	0	0		1	0	1	0	2	0
11:30			0	0	0	0	0	0		1	0	2	0	3	0
11:45			0	0	1	0	1	0		0	0	1	0	1	0
Total			17	33	22	19	39	52		13	44	12	24	25	68
Day Total			50		41		91			57		36		93	
% Total			18.7%	36.3%	24.2%	20.9%				14.0%	47.3%	12.9%	25.8%		
Peak	-		07:15	06:15	07:00	01:45	07:15	07:00	-	06:45	03:45	10:45	05:45	06:45	05:45
Vol.	-		5	7	9	5	13	11	-	5	13	4	10	8	19
P.H.F.			0.625	0.438	0.750	0.417	0.650	0.688		0.417	0.650	0.500	0.500	0.400	0.528

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

Start Time	01-Apr-13 Mon	02-Apr-13 Tue	03-Apr-13 Wed	04-Apr-13 Thu	05-Apr-13 Fri	06-Apr-13 Sat	07-Apr-13 Sun	Week Average
12:00 AM	*	1	0	*	*	*	*	0
01:00	*	0	0	*	*	*	*	0
02:00	*	0	0	*	*	*	*	0
03:00	*	1	0	*	*	*	*	0
04:00	*	1	1	*	*	*	*	1
05:00	*	1	2	*	*	*	*	2
06:00	*	4	3	*	*	*	*	4
07:00	*	12	7	*	*	*	*	10
08:00	*	6	1	*	*	*	*	4
09:00	*	3	2	*	*	*	*	2
10:00	*	5	2	*	*	*	*	4
11:00	*	5	7	*	*	*	*	6
12:00 PM	*	4	6	*	*	*	*	5
01:00	*	6	9	*	*	*	*	8
02:00	*	6	2	*	*	*	*	4
03:00	*	4	4	*	*	*	*	4
04:00	*	4	16	*	*	*	*	10
05:00	*	6	6	*	*	*	*	6
06:00	*	5	16	*	*	*	*	10
07:00	*	11	5	*	*	*	*	8
08:00	*	3	1	*	*	*	*	2
09:00	*	3	3	*	*	*	*	3
10:00	*	0	0	*	*	*	*	0
11:00	*	0	0	*	*	*	*	0
Total	0	91	93	0	0	0	0	93
Percentage	0.0%	97.8%	100.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	12	7	-	-	-	-	10
PM Peak	-	19:00	16:00	-	-	-	-	16:00
Vol.	-	11	16	-	-	-	-	10

Old Colony Planning Council
70 School Street
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Page 1

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

EB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/13															
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
08:00	0	3	2	0	0	0	0	0	0	0	0	0	0	0	5
09:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
10:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
11:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
12 PM	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
13:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
14:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
15:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
16:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
17:00	2	2	2	0	0	0	0	0	0	0	0	0	0	0	6
18:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3
19:00	2	3	2	0	0	0	0	0	0	0	0	0	0	0	7
20:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
21:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	14	16	19	1	0	0	0	0	0	0	0	0	0	0	50

Daily

15th Percentile :	7 MPH
50th Percentile :	15 MPH
85th Percentile :	22 MPH
95th Percentile :	24 MPH
Mean Speed(Average) :	16 MPH
10 MPH Pace Speed :	15-24 MPH
Number in Pace :	24
Percent in Pace :	48.0%
Number of Vehicles > 30 MPH :	0
Percent of Vehicles > 30 MPH :	0.0%

Old Colony Planning Council
70 School Street
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508-583-1833
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Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

EB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13															
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
08:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
09:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
12 PM	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
13:00	2	2	2	1	0	0	0	0	0	0	0	0	0	0	7
14:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
15:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
16:00	8	3	1	0	0	0	0	0	0	0	0	0	0	0	12
17:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
18:00	4	2	0	0	0	0	0	0	0	0	0	0	0	0	6
19:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
20:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	21	21	12	3	0	0	0	0	0	0	0	0	0	0	57

Daily

15th Percentile : 6 MPH
50th Percentile : 13 MPH
85th Percentile : 21 MPH
95th Percentile : 24 MPH

Mean Speed(Average) : 14 MPH
10 MPH Pace Speed : 10-19 MPH
Number in Pace : 28
Percent in Pace : 49.1%
Number of Vehicles > 30 MPH : 0
Percent of Vehicles > 30 MPH : 0.0%

Grand Total	35	37	31	4	0	0	0	0	0	0	0	0	0	0	107
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Overall

15th Percentile : 6 MPH
50th Percentile : 14 MPH
85th Percentile : 21 MPH
95th Percentile : 24 MPH

Mean Speed(Average) : 15 MPH
10 MPH Pace Speed : 11-20 MPH
Number in Pace : 50
Percent in Pace : 46.7%
Number of Vehicles > 30 MPH : 0
Percent of Vehicles > 30 MPH : 0.0%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Page 3

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/13															
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	7	1	1	0	0	0	0	0	0	0	0	0	0	0	9
08:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
09:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
10:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
12 PM	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
13:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0	2
14:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
15:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
16:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
19:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
20:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	27	7	6	1	0	0	0	0	0	0	0	0	0	0	41

Daily

15th Percentile : 4 MPH
50th Percentile : 9 MPH
85th Percentile : 17 MPH
95th Percentile : 23 MPH

Mean Speed(Average) : 11 MPH
10 MPH Pace Speed : 4-13 MPH
Number in Pace : 26
Percent in Pace : 63.4%
Number of Vehicles > 30 MPH : 0
Percent of Vehicles > 30 MPH : 0.0%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13															
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
07:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11:00	1	0	3	0	0	0	0	0	0	0	0	0	0	0	4
12 PM	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
13:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
14:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00	1	3	0	0	0	0	0	0	0	0	0	0	0	0	4
17:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
18:00	9	1	0	0	0	0	0	0	0	0	0	0	0	0	10
19:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20	9	7	0	0	0	0	0	0	0	0	0	0	0	36

Daily

15th Percentile : 5 MPH
50th Percentile : 10 MPH
85th Percentile : 19 MPH
95th Percentile : 22 MPH

Mean Speed(Average) : 12 MPH
10 MPH Pace Speed : 5-14 MPH
Number in Pace : 21
Percent in Pace : 58.3%
Number of Vehicles > 30 MPH : 0
Percent of Vehicles > 30 MPH : 0.0%

Grand Total	47	16	13	1	0	0	0	0	0	0	0	0	0	0	77
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Overall

15th Percentile : 5 MPH
50th Percentile : 10 MPH
85th Percentile : 18 MPH
95th Percentile : 23 MPH

Mean Speed(Average) : 12 MPH
10 MPH Pace Speed : 5-14 MPH
Number in Pace : 46
Percent in Pace : 59.7%
Number of Vehicles > 30 MPH : 0
Percent of Vehicles > 30 MPH : 0.0%

Old Colony Planning Council
70 School Street
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508-583-1833
www.ocpcrpa.org

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

EB, WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/02/13															
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
07:00	7	2	3	0	0	0	0	0	0	0	0	0	0	0	12
08:00	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
09:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
10:00	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
11:00	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5
12 PM	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
13:00	1	0	4	1	0	0	0	0	0	0	0	0	0	0	6
14:00	3	1	2	0	0	0	0	0	0	0	0	0	0	0	6
15:00	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
16:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
17:00	2	2	2	0	0	0	0	0	0	0	0	0	0	0	6
18:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5
19:00	5	4	2	0	0	0	0	0	0	0	0	0	0	0	11
20:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
21:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	41	23	25	2	0	0	0	0	0	0	0	0	0	0	91

Daily

15th Percentile :	5 MPH
50th Percentile :	12 MPH
85th Percentile :	21 MPH
95th Percentile :	24 MPH
Mean Speed(Average) :	14 MPH
10 MPH Pace Speed :	6-15 MPH
Number in Pace :	46
Percent in Pace :	50.5%
Number of Vehicles > 30 MPH :	0
Percent of Vehicles > 30 MPH :	0.0%

Old Colony Planning Council
70 School Street
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Page 6

Community: Brockton
Com#_UR/FC: 239_U0
Recorder #: Jamar #15
Layout: L6 Basic (2')

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

EB, WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
04/03/13															
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
06:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
07:00	3	2	2	0	0	0	0	0	0	0	0	0	0	0	7
08:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
09:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
10:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11:00	1	3	3	0	0	0	0	0	0	0	0	0	0	0	7
12 PM	4	1	1	0	0	0	0	0	0	0	0	0	0	0	6
13:00	2	3	3	1	0	0	0	0	0	0	0	0	0	0	9
14:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
15:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
16:00	9	6	1	0	0	0	0	0	0	0	0	0	0	0	16
17:00	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6
18:00	13	3	0	0	0	0	0	0	0	0	0	0	0	0	16
19:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	5
20:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
21:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	41	30	19	3	0	0	0	0	0	0	0	0	0	0	93

Daily

15th Percentile : 5 MPH
50th Percentile : 12 MPH
85th Percentile : 20 MPH
95th Percentile : 24 MPH

Mean Speed(Average) : 13 MPH
10 MPH Pace Speed : 7-16 MPH
Number in Pace : 48
Percent in Pace : 51.6%
Number of Vehicles > 30 MPH : 0
Percent of Vehicles > 30 MPH : 0.0%

Grand Total	82	53	44	5	0	0	0	0	0	0	0	0	0	0	184
-------------	----	----	----	---	---	---	---	---	---	---	---	---	---	---	-----

Overall

15th Percentile : 5 MPH
50th Percentile : 12 MPH
85th Percentile : 20 MPH
95th Percentile : 24 MPH

Mean Speed(Average) : 14 MPH
10 MPH Pace Speed : 7-16 MPH
Number in Pace : 94
Percent in Pace : 51.1%
Number of Vehicles > 30 MPH : 0
Percent of Vehicles > 30 MPH : 0.0%

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

[illegible]

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

[illegible]

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

[illegible]

Station ID:
Site Code: 44
Date Start: 02-Apr-13
Date End: 03-Apr-13
Loring St, east of N Quincy St

Start Time	Cars & Bikes	2 Axle Long	2 Axle Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
04/02/13	0	1	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	1	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	1	0
06:00	0	2	2	0	0	0	0	0	0	0	0	0	4	0
07:00	0	5	4	0	2	1	0	0	0	0	0	0	12	3
08:00	0	2	4	0	0	0	0	0	0	0	0	0	6	0
09:00	0	1	2	0	0	0	0	0	0	0	0	0	3	0
10:00	0	2	0	0	2	1	0	0	0	0	0	0	5	3
11:00	0	4	1	0	0	0	0	0	0	0	0	0	5	0
12 PM	0	4	0	0	0	0	0	0	0	0	0	0	4	0
13:00	0	4	2	0	0	0	0	0	0	0	0	0	6	0
14:00	0	4	2	0	0	0	0	0	0	0	0	0	6	0
15:00	0	1	2	0	0	1	0	0	0	0	0	0	4	1
16:00	0	2	0	0	1	1	0	0	0	0	0	0	4	2
17:00	0	3	3	0	0	0	0	0	0	0	0	0	6	0
18:00	0	2	3	0	0	0	0	0	0	0	0	0	5	0
19:00	0	9	2	0	0	0	0	0	0	0	0	0	11	0
20:00	0	3	0	0	0	0	0	0	0	0	0	0	3	0
21:00	0	3	0	0	0	0	0	0	0	0	0	0	3	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	55	27	0	5	4	0	0	0	0	0	0	91	9
Percent	0.0%	60.4%	29.7%	0.0%	5.5%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.9%
AM Peak Vol.		07:00	07:00		07:00	07:00							07:00	07:00
		5	4		2	1							12	3
PM Peak Vol.		19:00	17:00		16:00	15:00							19:00	16:00
		9	3		1	1							11	2



Old Colony Planning Council

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Community: Brockton
Weather: Clear
Board # & Staff: TDC-8 (2) / Jcal
Traffic Control: Two-Way Stop

File Name : North Quincy Street & North Cary_Loring Street_AM
Site Code : 44
Start Date : 4/3/2013
Page No : 1

Groups Printed- Cars - Buses - Trucks

	North Quincy Street Southbound					Loring Street Westbound					North Quincy Street Northbound					North Cary Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	15	56	6	0	77	0	0	0	0	0	0	155	12	0	167	0	0	30	0	30	274
07:15 AM	24	96	4	0	124	0	0	0	0	0	0	188	8	0	196	1	0	26	0	27	347
07:30 AM	26	95	0	0	121	0	0	2	0	2	1	184	15	0	200	1	0	36	0	37	360
07:45 AM	33	97	2	0	132	0	1	1	0	2	1	155	15	0	171	1	0	18	0	19	324
Total	98	344	12	0	454	0	1	3	0	4	2	682	50	0	734	3	0	110	0	113	1305
08:00 AM	30	62	0	0	92	0	0	0	0	0	1	142	18	0	161	0	0	28	0	28	281
08:15 AM	27	67	0	0	94	0	0	1	0	1	0	129	12	3	144	0	0	35	1	36	275
08:30 AM	23	95	4	0	122	0	0	0	0	0	0	126	9	0	135	1	0	15	1	17	274
08:45 AM	18	100	0	0	118	0	0	0	0	0	0	119	11	0	130	0	0	18	0	18	266
Total	98	324	4	0	426	0	0	1	0	1	1	516	50	3	570	1	0	96	2	99	1096
Grand Total	196	668	16	0	880	0	1	4	0	5	3	1198	100	3	1304	4	0	206	2	212	2401
Apprch %	22.3	75.9	1.8	0		0	20	80	0		0.2	91.9	7.7	0.2		1.9	0	97.2	0.9		
Total %	8.2	27.8	0.7	0	36.7	0	0	0.2	0	0.2	0.1	49.9	4.2	0.1	54.3	0.2	0	8.6	0.1	8.8	
Cars	193	641	15	0	849	0	1	4	0	5	3	1136	96	0	1235	3	0	201	0	204	2293
% Cars	98.5	96	93.8	0	96.5	0	100	100	0	100	100	94.8	96	0	94.7	75	0	97.6	0	96.2	95.5
Buses	2	8	1	0	11	0	0	0	0	0	0	20	4	0	24	0	0	1	2	3	38
% Buses	1	1.2	6.2	0	1.2	0	0	0	0	0	0	1.7	4	0	1.8	0	0	0.5	100	1.4	1.6
Trucks	1	19	0	0	20	0	0	0	0	0	0	42	0	3	45	1	0	4	0	5	70
% Trucks	0.5	2.8	0	0	2.3	0	0	0	0	0	0	3.5	0	100	3.5	25	0	1.9	0	2.4	2.9

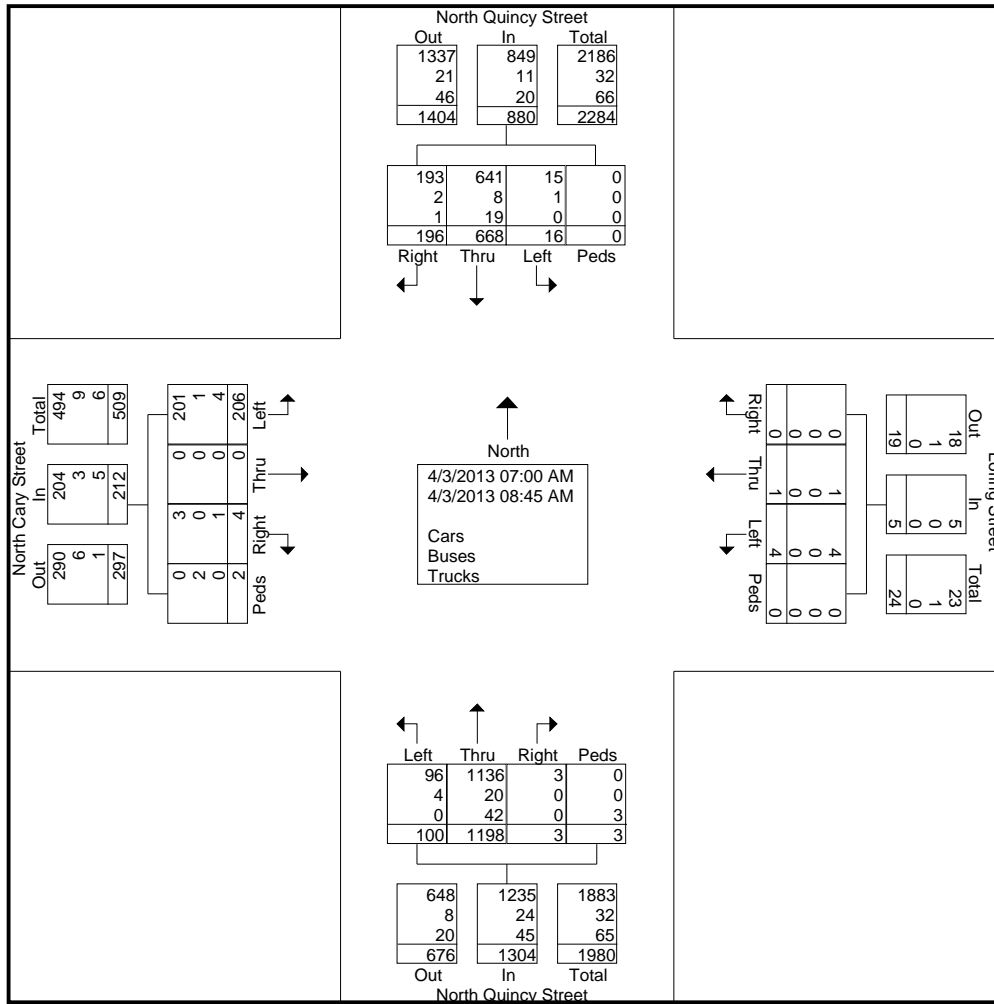


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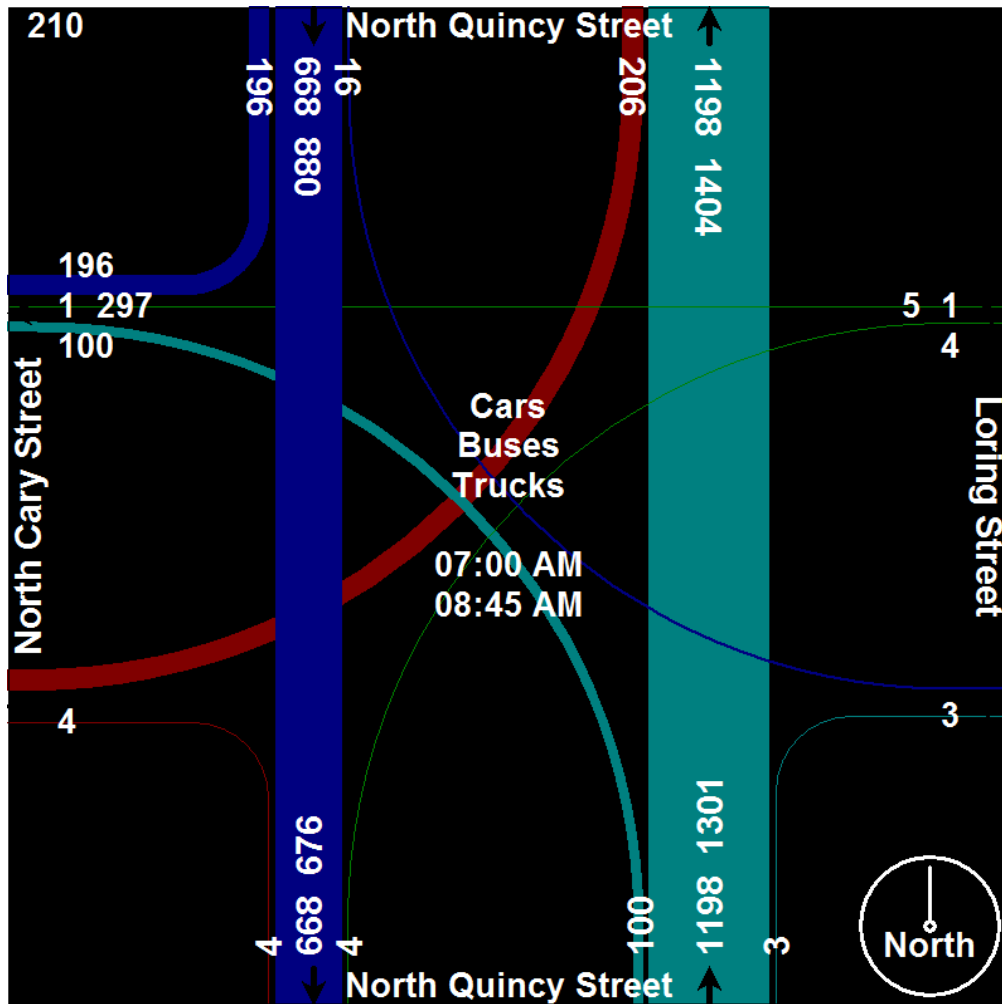


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	North Quincy Street Southbound					Loring Street Westbound					North Quincy Street Northbound					North Cary Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	24	96	4	0	124	0	0	0	0	0	0	188	8	0	196	1	0	26	0	27	347
07:30 AM	26	95	0	0	121	0	0	2	0	2	1	184	15	0	200	1	0	36	0	37	360
07:45 AM	33	97	2	0	132	0	1	1	0	2	1	155	15	0	171	1	0	18	0	19	324
08:00 AM	30	62	0	0	92	0	0	0	0	0	1	142	18	0	161	0	0	28	0	28	281
Total Volume	113	350	6	0	469	0	1	3	0	4	3	669	56	0	728	3	0	108	0	111	1312
% App. Total	24.1	74.6	1.3	0		0	25	75	0		0.4	91.9	7.7	0		2.7	0	97.3	0		
PHF	.856	.902	.375	.000	.888	.000	.250	.375	.000	.500	.750	.890	.778	.000	.910	.750	.000	.750	.000	.750	.911
Cars	111	338	6	0	455	0	1	3	0	4	3	641	53	0	697	2	0	104	0	106	1262
% Cars	98.2	96.6	100	0	97.0	0	100	100	0	100	100	95.8	94.6	0	95.7	66.7	0	96.3	0	95.5	96.2
Buses	1	4	0	0	5	0	0	0	0	0	0	9	3	0	12	0	0	1	0	1	18
% Buses	0.9	1.1	0	0	1.1	0	0	0	0	0	0	1.3	5.4	0	1.6	0	0	0.9	0	0.9	1.4
Trucks	1	8	0	0	9	0	0	0	0	0	0	19	0	0	19	1	0	3	0	4	32
% Trucks	0.9	2.3	0	0	1.9	0	0	0	0	0	0	2.8	0	0	2.6	33.3	0	2.8	0	3.6	2.4

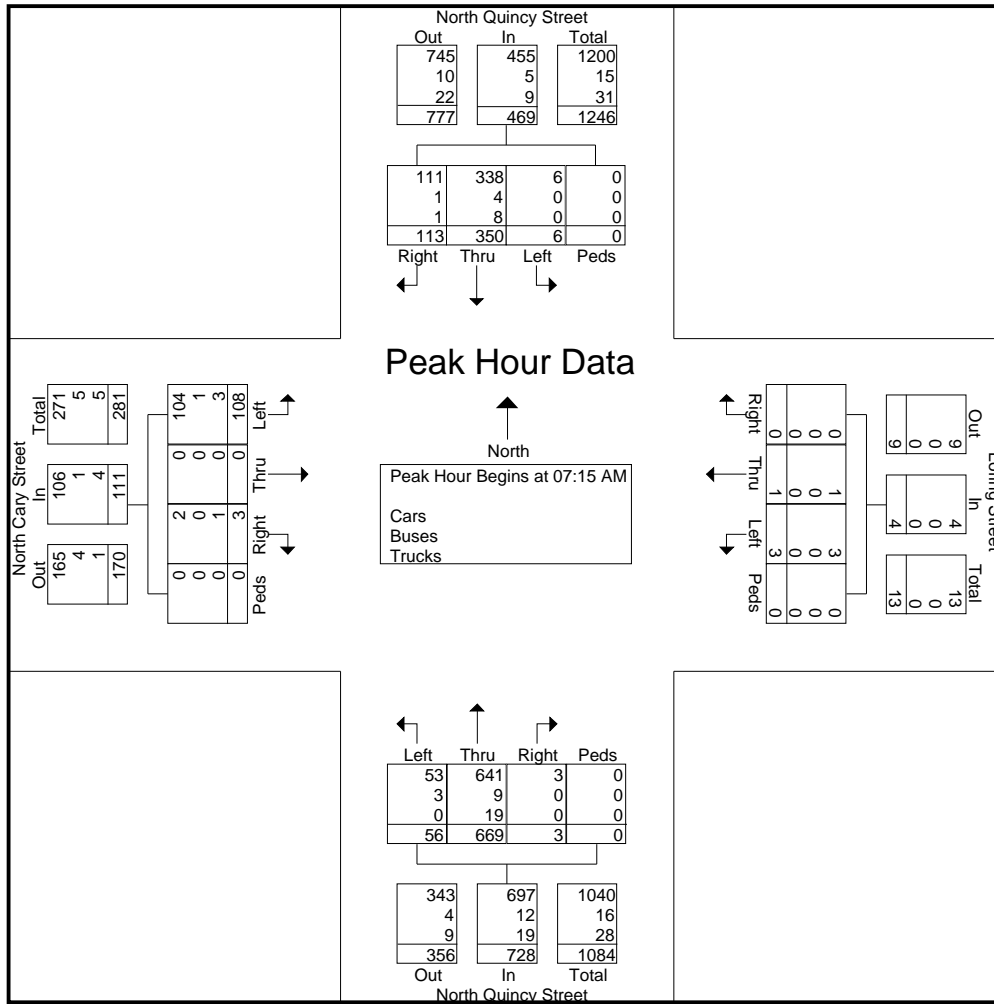


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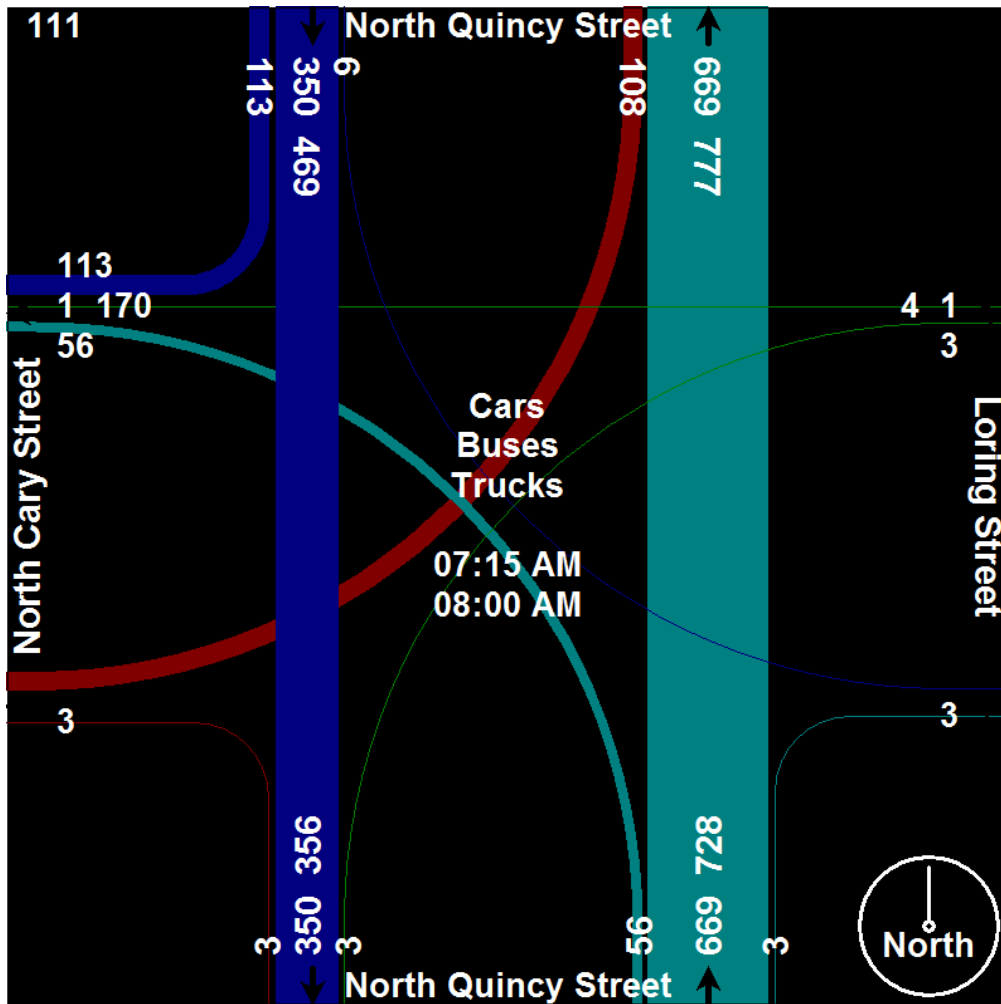


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Image 1





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Page No : 1

Groups Printed- Cars - Buses - Trucks

	North Quincy Street Southbound					Loring Street Westbound					North Quincy Street Northbound					North Cary Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	44	164	3	0	211	0	0	3	0	3	1	100	10	0	111	0	0	31	1	32	357
04:15 PM	43	159	4	0	206	0	0	1	0	1	1	105	6	0	112	0	0	22	0	22	341
04:30 PM	42	138	0	0	180	0	0	0	0	0	1	136	7	0	144	0	0	16	1	17	341
04:45 PM	46	143	0	0	189	2	0	1	0	3	1	100	6	0	107	0	0	16	0	16	315
Total	175	604	7	0	786	2	0	5	0	7	4	441	29	0	474	0	0	85	2	87	1354
05:00 PM	32	146	1	0	179	1	1	1	0	3	0	122	6	0	128	0	0	17	0	17	327
05:15 PM	43	147	0	0	190	2	0	1	0	3	0	124	10	0	134	0	0	21	0	21	348
05:30 PM	41	164	1	0	206	0	0	0	0	0	0	106	7	0	113	2	1	21	0	24	343
05:45 PM	23	134	3	0	160	0	0	0	0	0	1	100	6	0	107	0	0	24	0	24	291
Total	139	591	5	0	735	3	1	2	0	6	1	452	29	0	482	2	1	83	0	86	1309
Grand Total	314	1195	12	0	1521	5	1	7	0	13	5	893	58	0	956	2	1	168	2	173	2663
Apprch %	20.6	78.6	0.8	0		38.5	7.7	53.8	0		0.5	93.4	6.1	0		1.2	0.6	97.1	1.2		
Total %	11.8	44.9	0.5	0	57.1	0.2	0	0.3	0	0.5	0.2	33.5	2.2	0	35.9	0.1	0	6.3	0.1	6.5	
Cars	312	1181	12	0	1505	5	1	7	0	13	5	881	58	0	944	2	1	166	0	169	2631
% Cars	99.4	98.8	100	0	98.9	100	100	100	0	100	100	98.7	100	0	98.7	100	100	98.8	0	97.7	98.8
Buses	1	5	0	0	6	0	0	0	0	0	0	2	0	0	2	0	0	0	2	2	10
% Buses	0.3	0.4	0	0	0.4	0	0	0	0	0	0	0.2	0	0	0.2	0	0	0	100	1.2	0.4
Trucks	1	9	0	0	10	0	0	0	0	0	0	10	0	0	10	0	0	2	0	2	22
% Trucks	0.3	0.8	0	0	0.7	0	0	0	0	0	0	1.1	0	0	1	0	0	1.2	0	1.2	0.8

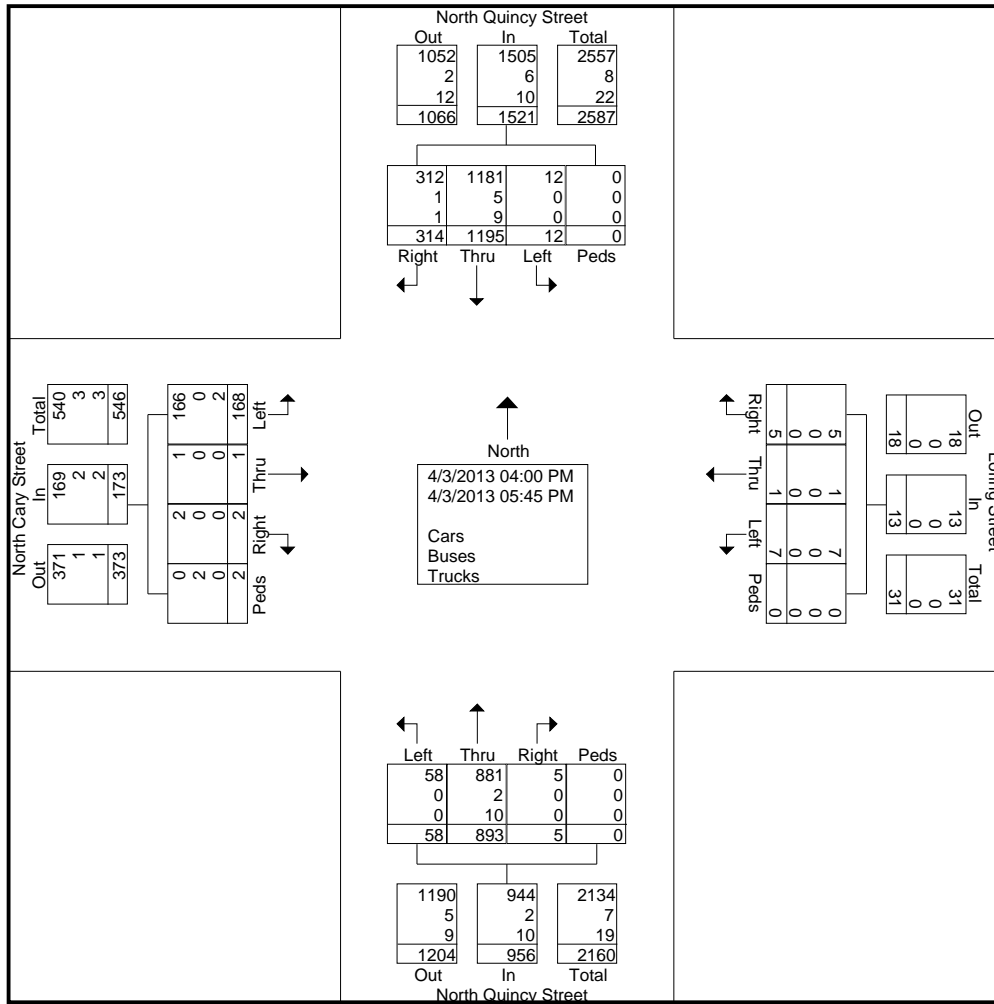


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Board # & Staff: DB-400 (5) / RG
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File Name : North Quincy Street & North Cary_Loring Street_PM
Site Code : 44
Start Date : 4/3/2013
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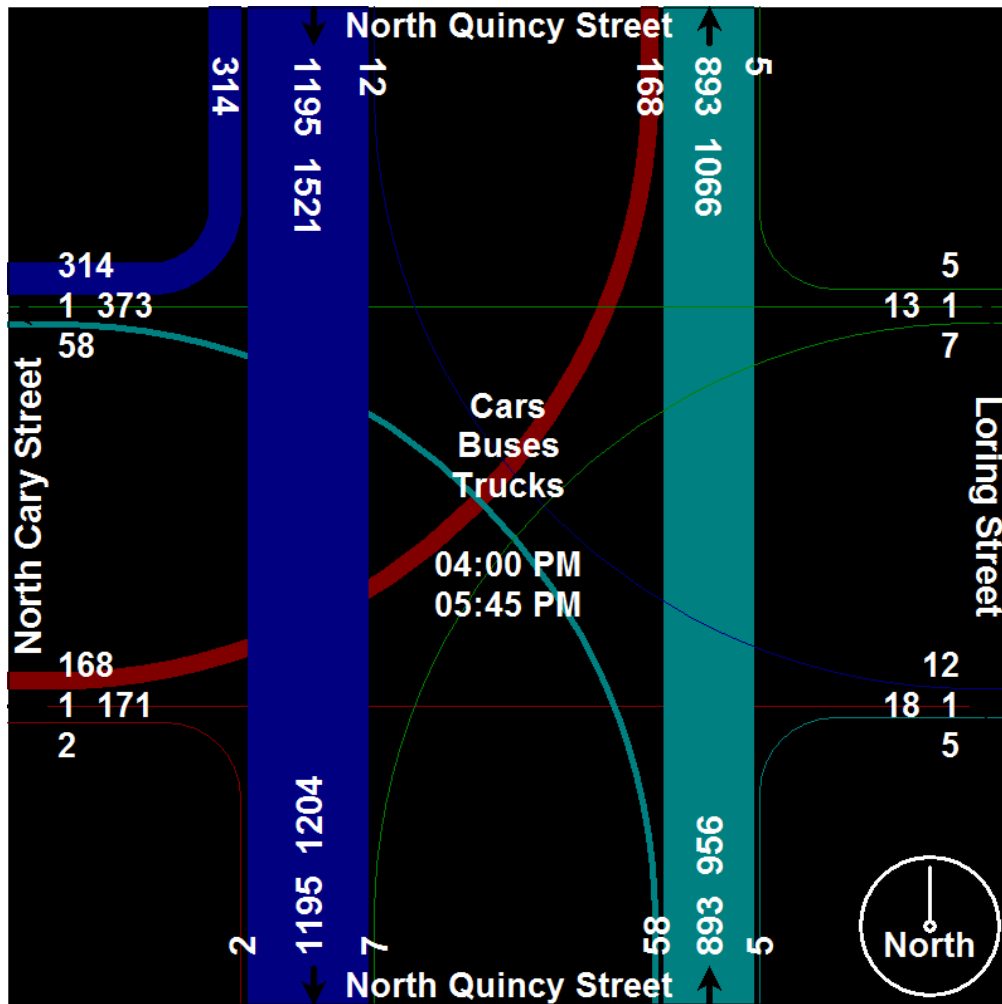


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Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	44	164	3	0	211	0	0	3	0	3	1	100	10	0	111	0	0	31	1	32	357
04:15 PM	43	159	4	0	206	0	0	1	0	1	1	105	6	0	112	0	0	22	0	22	341
04:30 PM	42	138	0	0	180	0	0	0	0	0	1	136	7	0	144	0	0	16	1	17	341
04:45 PM	46	143	0	0	189	2	0	1	0	3	1	100	6	0	107	0	0	16	0	16	315
Total Volume	175	604	7	0	786	2	0	5	0	7	4	441	29	0	474	0	0	85	2	87	1354
% App. Total	22.3	76.8	0.9	0		28.6	0	71.4	0		0.8	93	6.1	0		0	0	97.7	2.3		
PHF	.951	.921	.438	.000	.931	.250	.000	.417	.000	.583	1.00	.811	.725	.000	.823	.000	.000	.685	.500	.680	.948
Cars	173	595	7	0	775	2	0	5	0	7	4	437	29	0	470	0	0	84	0	84	1336
% Cars	98.9	98.5	100	0	98.6	100	0	100	0	100	100	99.1	100	0	99.2	0	0	98.8	0	96.6	98.7
Buses	1	4	0	0	5	0	0	0	0	0	0	1	0	0	1	0	0	0	2	2	8
% Buses	0.6	0.7	0	0	0.6	0	0	0	0	0	0	0.2	0	0	0.2	0	0	0	100	2.3	0.6
Trucks	1	5	0	0	6	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	10
% Trucks	0.6	0.8	0	0	0.8	0	0	0	0	0	0	0.7	0	0	0.6	0	0	1.2	0	1.1	0.7

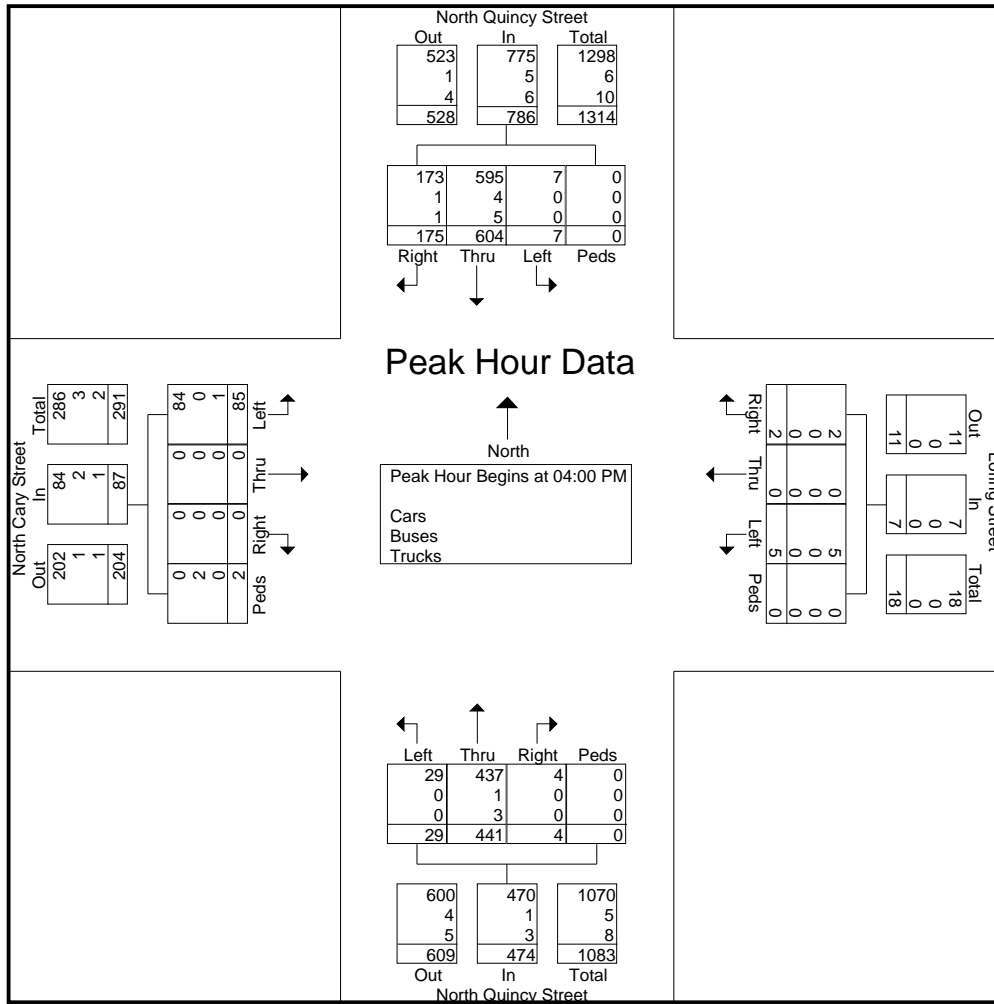


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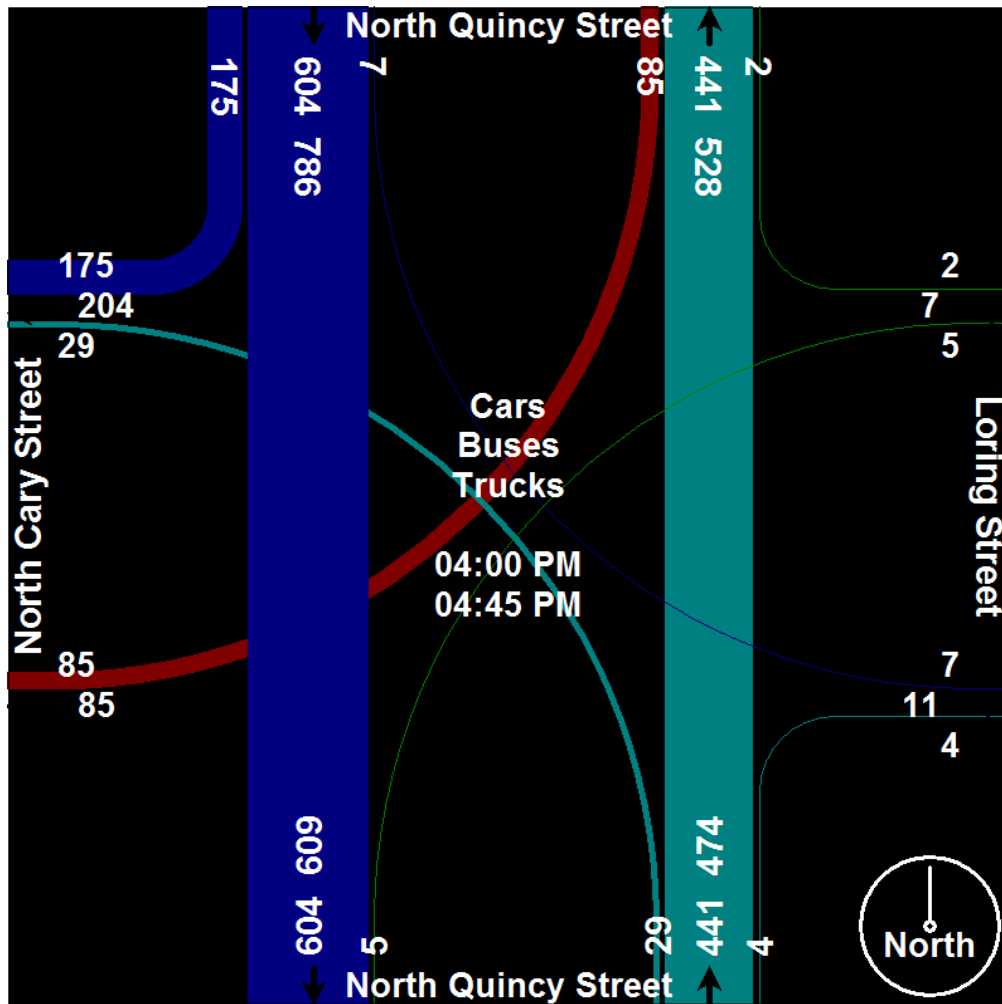


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Site Code : 44
Start Date : 4/3/2013
Page No : 7

Image 1



TWO-WAY STOP CONTROL SUMMARY								
General Information				Site Information				
Analyst	McNulty			Intersection	N. Quincy @ N. Cary			
Agency/Co.	OCPC			Jurisdiction	Brockton			
Date Performed	4/11/13			Analysis Year	2013			
Analysis Time Period	7:15-8:15							
Project Description								
East/West Street: North Cary St. / Loring St.				North/South Street: North Quincy Street				
Intersection Orientation: North-South				Study Period (hrs): 0.25				
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)	56	659	3	6	350	113		
Peak-Hour Factor, PHF	0.91	0.91	0.91	0.89	0.89	0.89		
Hourly Flow Rate, HFR (veh/h)	61	724	3	6	393	126		
Percent Heavy Vehicles	3	--	--	0	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration	LTR			LTR				
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)	108	0	3	3	1	0		
Peak-Hour Factor, PHF	0.75	0.75	0.75	0.50	0.50	0.50		
Hourly Flow Rate, HFR (veh/h)	144	0	4	6	2	0		
Percent Heavy Vehicles	4	4	4	0	0	0		
Percent Grade (%)	0			0				
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration		LTR			LTR			
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR		LTR			LTR	
v (veh/h)	61	6		8			148	
C (m) (veh/h)	1042	886		125			123	
v/c	0.06	0.01		0.06			1.20	
95% queue length	0.19	0.02		0.20			9.17	
Control Delay (s/veh)	8.7	9.1		35.8			213.9	
LOS	A	A		E			F	
Approach Delay (s/veh)	--	--	35.8			213.9		
Approach LOS	--	--	E			F		

TWO-WAY STOP CONTROL SUMMARY								
General Information				Site Information				
Analyst	McNulty			Intersection	N. Quincy @ N. Cary			
Agency/Co.	OCPC			Jurisdiction	Brockton			
Date Performed	4/11/13			Analysis Year	2013			
Analysis Time Period	16:00-17:00							
Project Description								
East/West Street: North Cary St. / Loring St.				North/South Street: North Quincy Street				
Intersection Orientation: North-South				Study Period (hrs): 0.25				
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)	29	441	4	7	604	175		
Peak-Hour Factor, PHF	0.82	0.82	0.82	0.68	0.68	0.68		
Hourly Flow Rate, HFR (veh/h)	35	537	4	10	888	257		
Percent Heavy Vehicles	0	--	--	0	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration	LTR			LTR				
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)	85	0	0	5	0	2		
Peak-Hour Factor, PHF	0.68	1.00	0.68	0.58	0.58	0.58		
Hourly Flow Rate, HFR (veh/h)	124	0	0	8	0	3		
Percent Heavy Vehicles	1	0	4	0	0	0		
Percent Grade (%)	0			0				
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration		LTR			LTR			
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR	LTR			LTR		
v (veh/h)	35	10	11			124		
C (m) (veh/h)	618	1038	96			73		
v/c	0.06	0.01	0.11			1.70		
95% queue length	0.18	0.03	0.38			10.71		
Control Delay (s/veh)	11.2	8.5	47.3			461.3		
LOS	B	A	E			F		
Approach Delay (s/veh)	--	--	47.3			461.3		
Approach LOS	--	--	E			F		

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 4/3/2013

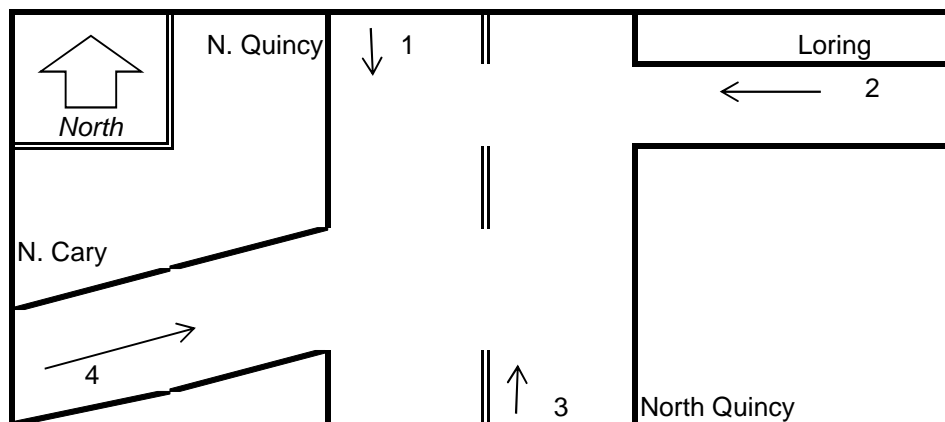
DISTRICT : 5 UNSIGNALIZED : ☐ SIGNALIZED : ☒

~ INTERSECTION DATA ~

MAJOR STREET : North Quincy Street

MINOR STREET(S) : North Cary Street / Loring Street

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	SB	WB	NB	EB		
PEAK HOURLY VOLUMES (AM/PM) :	786	7	474	87		1,354

" K " FACTOR :

0.090

INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

15,044

TOTAL # OF CRASHES :

12

OF YEARS :

3

AVERAGE # OF CRASHES PER YEAR (A) :

4.00

CRASH RATE CALCULATION :

0.73

RATE = $\frac{(A * 1,000,000)}{(V * 365)}$

Comments : _____

Project Title & Date: _____

Warrants Summary Report

1: N.Quincy at N.Cary

Intersection Information:

	Major Street	Minor Street
Street Name	North Quincy Street	North Cary Street
Direction	NB/SB	EB
Number of Lanes	1	1
Approach Speed	30	30

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	Yes	
Condition A or B Met?	Yes	13 Hours met (8 required)
Condition A and B Met?	No	7 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	Yes	9 Hours met (4 required)
Warrant 3, Peak Hour		
	Yes	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	Yes	6 Hours met (1 required)
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)

Warrants Summary Report

1: N.Quincy at N.Cary

Intersection Information:

	Major Street	Minor Street
Street Name	North Quincy Street	North Cary Street
Direction	NB/SB	EB
Number of Lanes	1	1
Approach Speed	30	30

Warrant	Met?	Notes
Warrant 5, School Crossing	No	
Warrant 6, Coordinated Signal System	No	
Warrant 7, Crash Experience	No	
Traffic Volume Condition?	No	0 Hours met (8 required)
Ped Condition?	Yes	15 Hours met (8 required)
Warrant 8, Roadway Network	Yes	

Warrants Summary Report

1: N.Quincy at N.Cary

Intersection Information:

	Major Street	Minor Street
Street Name	North Quincy Street	North Cary Street
Direction	NB/SB	EB
Number of Lanes	1	1
Approach Speed	30	30

Warrant	Met?	Notes
Warrant 9, Intersection Near a Grade Crossing		
	No	
AWSC Warrant, Multiway Stop Application		
	Yes	
Condition A Met?	Yes	
Condition B Met?	No	
Condition C Met?	No	

TWO-WAY STOP CONTROL SUMMARY								
General Information				Site Information				
Analyst	McNulty			Intersection	N. Quincy @ N. Cary			
Agency/Co.	OCPC			Jurisdiction	Brockton			
Date Performed	4/11/13			Analysis Year	2018			
Analysis Time Period	7:15-8:15							
Project Description 2018 AM Peak Hour LOS - No Build								
East/West Street: North Cary St. / Loring St.				North/South Street: North Quincy Street				
Intersection Orientation: North-South				Study Period (hrs): 0.25				
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)	59	692	3	6	368	119		
Peak-Hour Factor, PHF	0.91	0.91	0.91	0.89	0.89	0.89		
Hourly Flow Rate, HFR (veh/h)	64	760	3	6	413	133		
Percent Heavy Vehicles	3	--	--	0	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration	LTR			LTR				
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)	113	0	3	3	1	0		
Peak-Hour Factor, PHF	0.75	0.75	0.75	0.50	0.50	0.50		
Hourly Flow Rate, HFR (veh/h)	150	0	4	6	2	0		
Percent Heavy Vehicles	4	4	4	0	0	0		
Percent Grade (%)	0			0				
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration		LTR			LTR			
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR	LTR			LTR		
v (veh/h)	64	6	8			154		
C (m) (veh/h)	1018	859	112			109		
v/c	0.06	0.01	0.07			1.41		
95% queue length	0.20	0.02	0.23			10.92		
Control Delay (s/veh)	8.8	9.2	39.6			303.0		
LOS	A	A	E			F		
Approach Delay (s/veh)	--	--	39.6			303.0		
Approach LOS	--	--	E			F		

TWO-WAY STOP CONTROL SUMMARY								
General Information				Site Information				
Analyst	McNulty			Intersection	N. Quincy @ N. Cary			
Agency/Co.	OCPC			Jurisdiction	Brockton			
Date Performed	4/11/13			Analysis Year	2018			
Analysis Time Period	16:00-17:00							
Project Description 2018 PM Peah Hour LOS - No Build								
East/West Street: North Cary St. / Loring St.				North/South Street: North Quincy Street				
Intersection Orientation: North-South				Study Period (hrs): 0.25				
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)	30	463	4	7	634	184		
Peak-Hour Factor, PHF	0.82	0.82	0.82	0.68	0.68	0.68		
Hourly Flow Rate, HFR (veh/h)	36	564	4	10	932	270		
Percent Heavy Vehicles	0	--	--	0	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration	LTR			LTR				
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)	84	0	0	5	0	2		
Peak-Hour Factor, PHF	0.68	1.00	0.68	0.58	0.58	0.58		
Hourly Flow Rate, HFR (veh/h)	123	0	0	8	0	3		
Percent Heavy Vehicles	1	0	4	0	0	0		
Percent Grade (%)	0			0				
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	1	0	0	1	0		
Configuration		LTR			LTR			
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	LTR	LTR	LTR			LTR		
v (veh/h)	36	10	11			123		
C (m) (veh/h)	588	1014	84			63		
v/c	0.06	0.01	0.13			1.95		
95% queue length	0.20	0.03	0.43			11.51		
Control Delay (s/veh)	11.5	8.6	54.2			586.5		
LOS	B	A	F			F		
Approach Delay (s/veh)	--	--	54.2			586.5		
Approach LOS	--	--	F			F		










ALL-WAY STOP CONTROL ANALYSIS									
General Information					Site Information				
Analyst		McNulty			Intersection		North Quincy @ North Cary		
Agency/Co.		OCPC			Jurisdiction		Brockton		
Date Performed		4/3/2013			Analysis Year		2018		
Analysis Time Period		7:15 - 8:15 AM							
Project ID 2018 AM Peak Hour LOS as All-Way (3-way) Stop									
East/West Street: North Cary Street					North/South Street: North Quincy Street				
Volume Adjustments and Site Characteristics									
Approach		Eastbound			Westbound				
Movement		L	T	R	L	T	R		
Volume (veh/h)		113	0	3	0	0	0		
%Thrus Left Lane									
Approach		Northbound			Southbound				
Movement		L	T	R	L	T	R		
Volume (veh/h)		59	706	0	0	413			
%Thrus Left Lane									
		Eastbound		Westbound		Northbound		Southbound	
		L1	L2	L1	L2	L1	L2	L1	L2
Configuration		LR				LT		TR	
PHF		0.75				0.91		0.89	
Flow Rate (veh/h)		154				839		592	
% Heavy Vehicles		0				0		0	
No. Lanes		1		0		1		1	
Geometry Group		1				1		1	
Duration, T		0.25							
Saturation Headway Adjustment Worksheet									
Prop. Left-Turns	1.0				0.1		0.0		
Prop. Right-Turns	0.0				0.0		0.2		
Prop. Heavy Vehicle	0.0				0.0		0.0		
hLT-adj	0.2	0.2			0.2	0.2	0.2	0.2	
hRT-adj	-0.6	-0.6			-0.6	-0.6	-0.6	-0.6	
hHV-adj	1.7	1.7			1.7	1.7	1.7	1.7	
hadj, computed	0.2				0.0		-0.1		
Departure Headway and Service Time									
hd, initial value (s)	3.20				3.20		3.20		
x, initial	0.14				0.75		0.53		
hd, final value (s)	7.14				5.36		5.33		
x, final value	0.31				1.25		0.88		
Move-up time, m (s)	2.0				2.0			2.0	
Service Time, t _s (s)	5.1				3.4		3.3		
Capacity and Level of Service									
	Eastbound		Westbound		Northbound		Southbound		
	L1	L2	L1	L2	L1	L2	L1	L2	
Capacity (veh/h)	404				839		674		
Delay (s/veh)	13.26				142.77		34.17		
LOS	B				F		D		
Approach: Delay (s/veh)	13.26				142.77		34.17		
LOS	B				F		D		
Intersection Delay (s/veh)	89.63								
Intersection LOS	F								

ALL-WAY STOP CONTROL ANALYSIS								
General Information					Site Information			
Analyst	McNulty				Intersection	North Quincy @ North Cary		
Agency/Co.	OCPC				Jurisdiction	Brockton		
Date Performed	4/3/2013				Analysis Year	2018		
Analysis Time Period	4:00 - 5:00 PM							
Project ID 2018 PM Peak Hour LOS as All-Way (3-way) Stop								
East/West Street: North Cary Street					North/South Street: North Quincy Street			
Volume Adjustments and Site Characteristics								
Approach	Eastbound				Westbound			
Movement	L	T	R		L	T	R	
Volume (veh/h)	89	0	0		0	0	0	
%Thrus Left Lane								
Approach	Northbound				Southbound			
Movement	L	T	R		L	T	R	
Volume (veh/h)	30	467	0		0	429	184	
%Thrus Left Lane								
	Eastbound		Westbound		Northbound		Southbound	
	L1	L2	L1	L2	L1	L2	L1	L2
Configuration	LR				LT		TR	
PHF	0.68				0.82		0.93	
Flow Rate (veh/h)	130				605		658	
% Heavy Vehicles	0				0		0	
No. Lanes	1		0		1		1	
Geometry Group	1				1		1	
Duration, T	0.25							
Saturation Headway Adjustment Worksheet								
Prop. Left-Turns	1.0				0.1		0.0	
Prop. Right-Turns	0.0				0.0		0.3	
Prop. Heavy Vehicle	0.0				0.0		0.0	
hLT-adj	0.2	0.2			0.2	0.2	0.2	0.2
hRT-adj	-0.6	-0.6			-0.6	-0.6	-0.6	-0.6
hHV-adj	1.7	1.7			1.7	1.7	1.7	1.7
hadj, computed	0.2				0.0		-0.2	
Departure Headway and Service Time								
hd, initial value (s)	3.20				3.20		3.20	
x, initial	0.12				0.54		0.58	
hd, final value (s)	7.07				5.28		5.05	
x, final value	0.26				0.89		0.92	
Move-up time, m (s)	2.0				2.0		2.0	
Service Time, t _s (s)	5.1				3.3		3.1	
Capacity and Level of Service								
	Eastbound		Westbound		Northbound		Southbound	
	L1	L2	L1	L2	L1	L2	L1	L2
Capacity (veh/h)	380				677		710	
Delay (s/veh)	12.48				35.39		39.78	
LOS	B				E		E	
Approach: Delay (s/veh)	12.48				35.39		39.78	
LOS	B				E		E	
Intersection Delay (s/veh)	35.32							
Intersection LOS	E							

Lanes, Volumes, Timings

3: North Cary & North Quincy

2018 AM Peak Hour LOS with Signals

						
Lane Group	NBT	NBR	SBL	SBT	NWL	NWR
Lane Configurations						
Volume (vph)	108	3	353	114	56	672
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.997				0.875	
Flt Protected				0.964	0.996	
Satd. Flow (prot)	1821	0	0	1796	1608	0
Flt Permitted				0.681	0.996	
Satd. Flow (perm)	1821	0	0	1269	1608	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	4				753	
Link Speed (mph)	30			30	30	
Link Distance (ft)	515			110	393	
Travel Time (s)	11.7			2.5	8.9	
Peak Hour Factor	0.75	0.75	0.89	0.89	0.91	0.91
Growth Factor	105%	105%	105%	105%	105%	105%
Heavy Vehicles (%)	4%	4%	2%	2%	3%	3%
Adj. Flow (vph)	151	4	416	134	65	775
Shared Lane Traffic (%)						
Lane Group Flow (vph)	155	0	0	550	840	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			0	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Number of Detectors	2		1	2	1	
Detector Template	Thru		Left	Thru	Left	
Leading Detector (ft)	100		20	100	20	
Trailing Detector (ft)	0		0	0	0	
Detector 1 Position(ft)	0		0	0	0	
Detector 1 Size(ft)	6		20	6	20	
Detector 1 Type	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	
Detector 1 Delay (s)	0.0		0.0	0.0	0.0	
Detector 2 Position(ft)	94			94		
Detector 2 Size(ft)	6			6		
Detector 2 Type	Cl+Ex			Cl+Ex		
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0		
Turn Type	NA		Perm	NA	NA	
Protected Phases	2			6	8	
Permitted Phases			6			
Detector Phase	2		6	6	8	
Switch Phase						

Lanes, Volumes, Timings

3: North Cary & North Quincy

2018 AM Peak Hour LOS with Signals

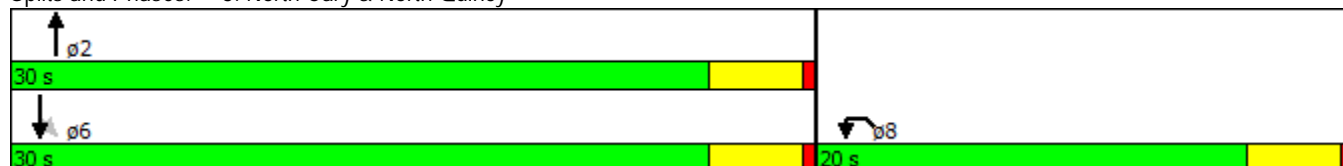
	↑	↖	↙	↓	↘	↗
Lane Group	NBT	NBR	SBL	SBT	NWL	NWR
Minimum Initial (s)	4.0		4.0	4.0	4.0	
Minimum Split (s)	20.0		20.0	20.0	20.0	
Total Split (s)	30.0		30.0	30.0	20.0	
Total Split (%)	60.0%		60.0%	60.0%	40.0%	
Maximum Green (s)	26.0		26.0	26.0	16.0	
Yellow Time (s)	3.5		3.5	3.5	3.5	
All-Red Time (s)	0.5		0.5	0.5	0.5	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.0			4.0	4.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0		3.0	3.0	3.0	
Recall Mode	Min		Min	Min	None	
Walk Time (s)	5.0		5.0	5.0	5.0	
Flash Dont Walk (s)	11.0		11.0	11.0	11.0	
Pedestrian Calls (#/hr)	0		0	0	0	
Act Effect Green (s)	21.8			21.8	11.7	
Actuated g/C Ratio	0.52			0.52	0.28	
v/c Ratio	0.16			0.84	0.85	
Control Delay	6.2			24.0	13.0	
Queue Delay	0.0			0.0	0.0	
Total Delay	6.2			24.0	13.0	
LOS	A			C	B	
Approach Delay	6.2			24.0	13.0	
Approach LOS	A			C	B	

Intersection Summary

Area Type: Other
 Cycle Length: 50
 Actuated Cycle Length: 41.9
 Natural Cycle: 50
 Control Type: Actuated-Uncoordinated
 Maximum v/c Ratio: 0.85
 Intersection Signal Delay: 16.3
 Intersection Capacity Utilization 87.0%
 Analysis Period (min) 15

Intersection LOS: B
 ICU Level of Service E










Splits and Phases: 3: North Cary & North Quincy



Lanes, Volumes, Timings

3: North Cary & North Quincy

2018 PM Peak Hour LOS with Signals

						
Lane Group	NBT	NBR	SBL	SBT	NWL	NWR
Lane Configurations						
Volume (vph)	85	0	609	175	29	445
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt					0.873	
Flt Protected				0.963	0.997	
Satd. Flow (prot)	1827	0	0	1794	1606	0
Flt Permitted				0.689	0.997	
Satd. Flow (perm)	1827	0	0	1283	1606	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)					570	
Link Speed (mph)	30			30	30	
Link Distance (ft)	515			110	393	
Travel Time (s)	11.7			2.5	8.9	
Peak Hour Factor	0.68	0.68	0.93	0.93	0.82	0.82
Growth Factor	105%	105%	105%	105%	105%	105%
Heavy Vehicles (%)	4%	4%	2%	2%	3%	3%
Adj. Flow (vph)	131	0	688	198	37	570
Shared Lane Traffic (%)						
Lane Group Flow (vph)	131	0	0	886	607	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			0	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Number of Detectors	2		1	2	1	
Detector Template	Thru		Left	Thru	Left	
Leading Detector (ft)	100		20	100	20	
Trailing Detector (ft)	0		0	0	0	
Detector 1 Position(ft)	0		0	0	0	
Detector 1 Size(ft)	6		20	6	20	
Detector 1 Type	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	
Detector 1 Delay (s)	0.0		0.0	0.0	0.0	
Detector 2 Position(ft)	94			94		
Detector 2 Size(ft)	6			6		
Detector 2 Type	Cl+Ex			Cl+Ex		
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0		
Turn Type	NA		Perm	NA	NA	
Protected Phases	2			6	8	
Permitted Phases			6			
Detector Phase	2		6	6	8	
Switch Phase						

Lanes, Volumes, Timings

3: North Cary & North Quincy

2018 PM Peak Hour LOS with Signals

	↑	↖	↙	↓	↘	↗
Lane Group	NBT	NBR	SBL	SBT	NWL	NWR
Minimum Initial (s)	4.0		4.0	4.0	4.0	
Minimum Split (s)	20.0		20.0	20.0	20.0	
Total Split (s)	70.0		70.0	70.0	20.0	
Total Split (%)	77.8%		77.8%	77.8%	22.2%	
Maximum Green (s)	66.0		66.0	66.0	16.0	
Yellow Time (s)	3.5		3.5	3.5	3.5	
All-Red Time (s)	0.5		0.5	0.5	0.5	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.0			4.0	4.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0		3.0	3.0	3.0	
Recall Mode	Min		Min	Min	None	
Walk Time (s)	5.0		5.0	5.0	5.0	
Flash Dont Walk (s)	11.0		11.0	11.0	11.0	
Pedestrian Calls (#/hr)	0		0	0	0	
Act Effect Green (s)	57.3			57.3	10.6	
Actuated g/C Ratio	0.75			0.75	0.14	
v/c Ratio	0.10			0.92	0.85	
Control Delay	3.1			25.9	17.4	
Queue Delay	0.0			0.0	0.0	
Total Delay	3.1			25.9	17.4	
LOS	A			C	B	
Approach Delay	3.1			25.9	17.4	
Approach LOS	A			C	B	

Intersection Summary

Area Type:	Other
Cycle Length: 90	
Actuated Cycle Length: 76.3	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.92	
Intersection Signal Delay: 20.9	Intersection LOS: C
Intersection Capacity Utilization 89.0%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 3: North Cary & North Quincy



HCM 2010 Roundabout 3: North Cary & North Quincy

2018 AM Peak Hour LOS with Roundabout

Intersection			
Intersection Delay, s/veh	21.0		
Intersection LOS	C		
Approach	NB	SB	NW
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	155	550	840
Demand Flow Rate, veh/h	161	561	865
Vehicles Circulating, veh/h	424	67	157
Vehicles Exiting, veh/h	204	955	428
Follow-Up Headway, s	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	7.5	10.0	30.6
Approach LOS	A	A	D
Lane	Left	Left	Left
Designated Moves	TR	LT	LR
Assumed Moves	TR	LT	LR
RT Channelized			
Lane Util	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193
Entry Flow, veh/h	161	561	865
Cap Entry Lane, veh/h	739	1057	966
Entry HV Adj Factor	0.962	0.981	0.971
Flow Entry, veh/h	155	550	840
Cap Entry, veh/h	712	1037	938
V/C Ratio	0.218	0.531	0.896
Control Delay, s/veh	7.5	10.0	30.6
LOS	A	A	D
95th %tile Queue, veh	1	3	13

HCM 2010 Roundabout

3: North Cary & North Quincy

2018 PM Peak Hour LOS with Roundabout

Intersection			
Intersection Delay, s/veh	17.5		
Intersection LOS	C		
Approach	NB	SB	NW
Entry Lanes	1	1	1
Conflicting Circle Lanes	1	1	1
Adj Approach Flow, veh/h	131	886	607
Demand Flow Rate, veh/h	136	904	625
Vehicles Circulating, veh/h	702	38	136
Vehicles Exiting, veh/h	240	723	702
Follow-Up Headway, s	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	0	0	0
Ped Cap Adj	1.000	1.000	1.000
Approach Delay, s/veh	10.0	21.6	13.2
Approach LOS	B	C	B
Lane	Left	Left	Left
Designated Moves	TR	LT	LR
Assumed Moves	TR	LT	LR
RT Channelized			
Lane Util	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193
Entry Flow, veh/h	136	904	625
Cap Entry Lane, veh/h	560	1088	986
Entry HV Adj Factor	0.962	0.980	0.971
Flow Entry, veh/h	131	886	607
Cap Entry, veh/h	538	1066	958
V/C Ratio	0.243	0.831	0.634
Control Delay, s/veh	10.0	21.6	13.2
LOS	B	C	B
95th %tile Queue, veh	1	10	5